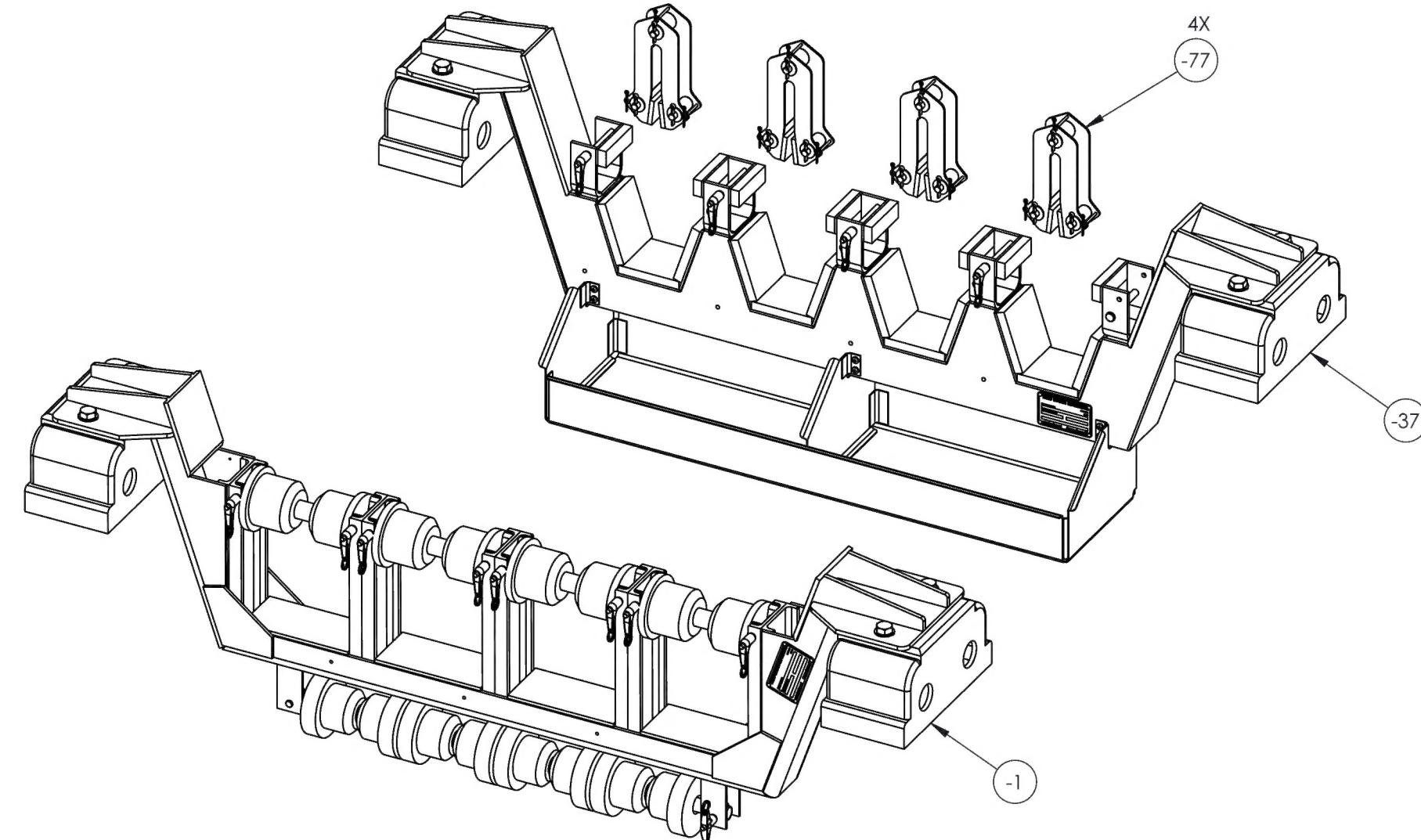


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REVISIONS		DATE	INITIAL	APPROVED
REV	DESCRIPTION			
	REDRAWN FROM TATTERED DRAWING.	3/7/2013	BIM	
1	-55 ADDED $\phi$ .377 AND $\phi$ .250-.254 HOLES AND NOTE 2 TO BE DRILLED AFTER BENDING.	4/29/13	BIM	GE
2	CH'D -21 & -33 FROM BEAMS TO CHANNEL WELDMENT, ADDED CHANNEL HALFS -22, -24 & -34. -27 CH'D THICKNESS FROM .62 TO .58 TO FIT CHANNEL.	7/29/2013	JAG	DW



NOTE:  
1. REF. BELL T/N T101623.

RED BARN MACHINE	
TITLE	
CRADLE SET-SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623
REV <span style="color: pink;">2</span>	
MAT'L	DRAWN BY: MARPET
APPROVED <span style="color: pink;">D Weil</span>	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± .5°	
.X ± .1	
SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
USED ON MODEL	
BELL 204, 205, 212, 214	
SCALE	1:8
DATE	2/26/2013
SHEET 1 OF 54	

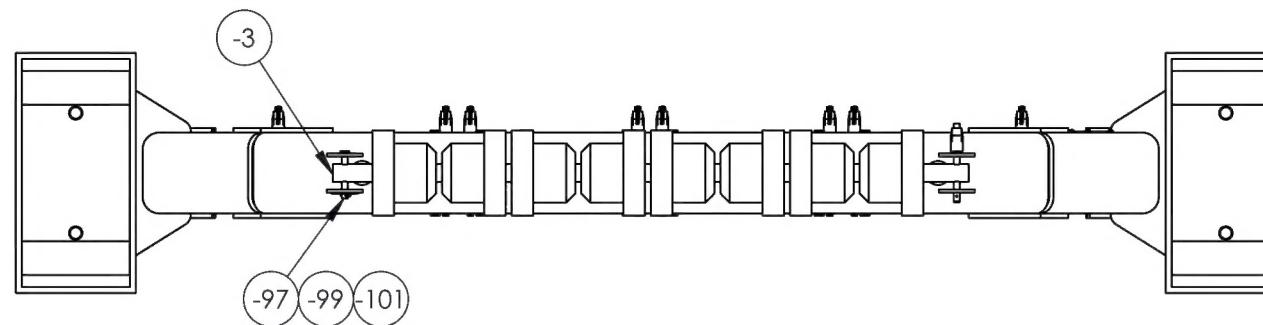
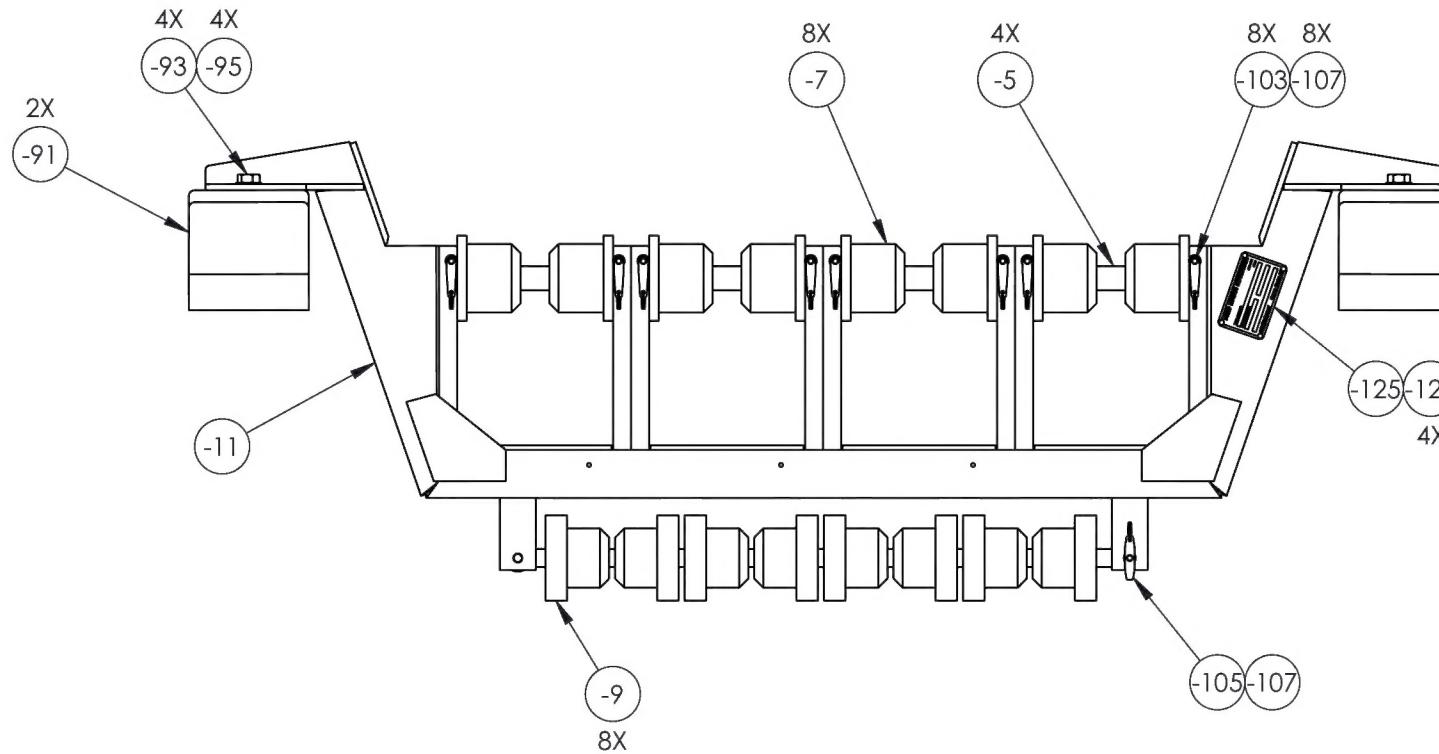
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REVISIONS													
REV	DESCRIPTION										DATE	INITIAL	APPROVED

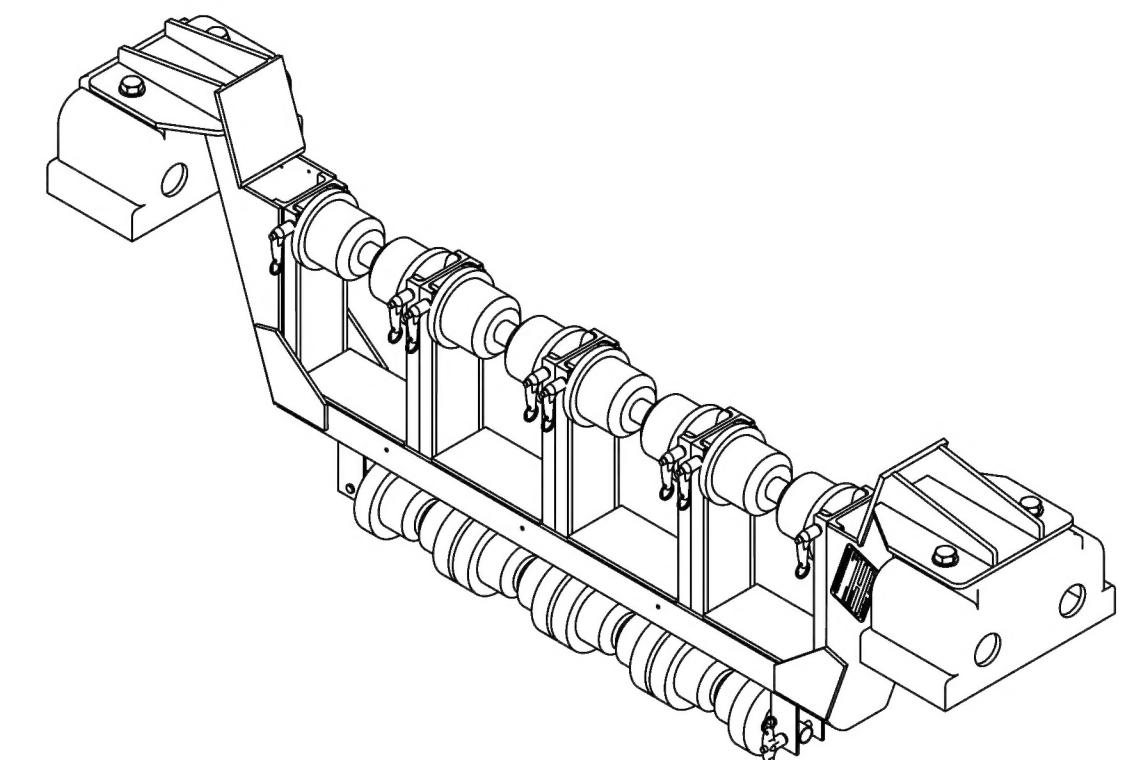
ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.								
								X	-1	1		CRADLE ASSEMBLY			3
								1	-3		TUBE	CRES 304	Ø3/4 X .042 WALL X 26-5/8 REF: 209-782-028-55.	4	
								4	-5		PIN	CRES 3035	Ø1 X 8 REF: 209-782-028-63	5	
								8	-7		ADAPTER	POLYURETHANE	Ø4 X 2-3/4, BLACK, MCMASTER-CARR #8695K443 REF: 209-782-029-1	6	
								8	-9		ADAPTER	POLYURETHANE	Ø4 X 2-3/4, BLACK, MCMASTER-CARR #8695K443 REF: 209-782-029-3	7	
								X	1	-11		SUPPORT ASSEMBLY		REF: 209-782-028-5	8
								4	-13		DOUBLER	1018 P&O	3/16 X 4-1/4 X 3-3/4 REF: 209-782-028-17	9	
	4							4	-15		STIFFENER	A36 P&O	1/4 X 1-7/8 X 6-3/4 REF: 209-782-028-21	10	
	2							2	-17		ATTACH PLATE	A36 P&O	1/4 X 6-3/4 X 7-1/8 REF: 209-782-028-23	11	
								2	-19		STIFFENER	1018 P&O	1/4 X 3-3/8 X 3-7/8 REF: 209-782-028-25	12	
								X	2	-21		SUPPORT WELDMENT			13
								1	-22		SUPPORT	STEEL	C3 X 4.1 X 10-1/4		14
								1	-23		SUPPORT	1018 P&O	3/16 X 6-5/8 X 33-1/4 REF: 209-782-028-29	15	
								1	-24		SUPPORT	STEEL	C3 X 4.1 X 10-1/4		16
								4	-25		BRACKET	1018 P&O	1/8 X 1-5/8 X 3-1/8 REF: 209-782-028-31	17	
								8	-27		LOCATING STOP	1018 P&O	5/8 X 2-3/8 X 2-3/4 REF: 209-782-028-31	18	
								2	-29		SUPPORT	A36 P&O	3/16 X 10 X 14 REF: 209-782-028-37	19	
								4	-31		STIFFENER	1018 P&O	3/16 X 3-3/8 X 6-1/2 REF: 209-782-028-39	20	
								X	3	-33		SUPPORT WELDMENT			21
								2	-34		SUPPORT	STEEL	C3 X 4.1 X 10-1/4		22
								2	-35		STIFFENER	1018 P&O	1/4 X 3-7/8 X 4-5/8 REF: 209-782-028-49	23	
								X		-37	1	CRADLE ASSEMBLY		REF: 209-782-028-3	24
								8	-39		PAD	NEOPRENE RUBBER, BLACK	1/2 X 1-1/8 X 3-1/8 MCMASTER-CARR #8463K75 REF: 209-782-028-65	25	
								12	-41		PAD	NEOPRENE RUBBER, BLACK	1/2 X 3-3/8 X 3-7/8 MCMASTER-CARR #8463K75 REF: 209-782-028-67	26	
								X	-43		SUPPORT ASSEMBLY WELDMENT		REF: 209-782-028-7		27
								8	-45		SUPPORT	A36 P & O	1/8 X 1-1/8 X 3-1/8 REF: 209-782-028-13	28	
								2	-47		CLOSURE	A36 P&O	1/8 X 3-3/8 X 13-1/4 REF: 209-782-028-15	29	
								1	-49		LOWER CLOSURE	A36 P&O	1/8 X 2-3/4 X 33-3/8 REF: 209-782-028-19	30	
								2	-51		GUSSET	A36 P&O	1/4 X 2-3/4 X 3-3/4 REF: 209-782-028-35	31	
								1	-53A		SIDE SUPPORT	A36 P&O	3/16 X 12-5/8 X 42-1/4 REF: 209-782-028-41	32	
								1	-53B		SIDE SUPPORT	A36 P&O	3/16 X 12-5/8 X 42-1/4 REF: 209-782-028-41	32	
								5	-55		SUPPORT	A36 P&O	3/16 X 1-5/8 X 8-3/4 REF: 209-782-028-45	33	
								2	-57		STIFFENER	A36 P&O	1/4 X 3-3/8 X 8-1/2 REF: 209-782-028-47	34	
								4	-59		STIFFENER	A36 P&O	1/8 X 3-3/8 X 4 REF: 209-782-028-51	35	
								8	-61		STIFFENER	A36 P&O	1/8 X 3-3/8 X 4-1/4 REF: 209-782-028-53	36	
								X	1	-63	STRAP STOWAGE ASSY.		REF: 209-782-028-11		37
								2	-65		FRAME	A36 P&O	16 GA X 7-1/8 X 8-3/8 REF: 209-782-028-69	38	
								1	-67		FRAME	A36 P&O	16 GA X 7-1/8 X 8-3/8 REF: 209-782-028-70	39	
								3	-69		CLIP	A36 P&O	16 GA X 2-5/8 X 2-5/8 REF: 209-782-028-71	40	
								3	-71		CLIP	A36 P&O	16 GA X 1-1/2 X 2-1/8 REF: 209-782-028-73	41	
								1	-73		CLIP	A36 P&O	16 GA X 1-3/8 X 1-1/2 REF: 209-782-028-75	42	
								77	4		CHOCK		REF: 209-782-030		44
								1	-79		ROLLER	CRES 3032	Ø1 X 1-3/8 REF: 209-782-028-57	45	
								2	-81		ROLLER	CRES 3035	Ø3/4 X 1-3/8 REF: 209-782-028-59	46	
								2	-83		PAD	POLYURETHANE, BLACK	1/4 X 1-5/8 X 1-5/8 MCMASTER-CARR #8997K63 REF: 209-782-028-61	47	
								X	-85		CHOCK WELDMENT				48
								1	-87		BASE	HR P & O	12 GA X 1-3/8 X 10-3/4 REF: 209-782-030	49	
								2	-89		PLATE	HR P & O	12 GA X 4 X 6-7/8 REF: 209-782-030	50	
								2	-91		ROLLER ADAPTER		VAL ROLLERS #AM3885		3&24
								4	-93		HEX HEAD CAP SCREW	STEEL	9/16-18 X 1 MCMASTER-CARR #92620A778		3&24
ASSY QTY	B/O	Part #	UNIT QTY												
-135	-133	-85	-77	-63	-43	-37	-33	-21	-11						

ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.									
										4			FLAT WASHER	STEEL	Ø9/16 MCMASTER-CARR #95229A580	3&24
										1	B/O	-97	CLEVIS PIN	STEEL	Ø1/4 X 1-11/16 MCMASTER-CARR #97245A252	3
										1	B/O	-99	FLAT WASHER	STEEL	Ø1/4 MCMASTER-CARR #95229A920	3
										1	B/O	-101	COTTER PIN	STEEL	Ø1/16 X 3/4 MCMASTER-CARR #98355A020	

REV	DESCRIPTION	DATE	INITIAL APPROVED
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① CRADLE ASSEMBLY

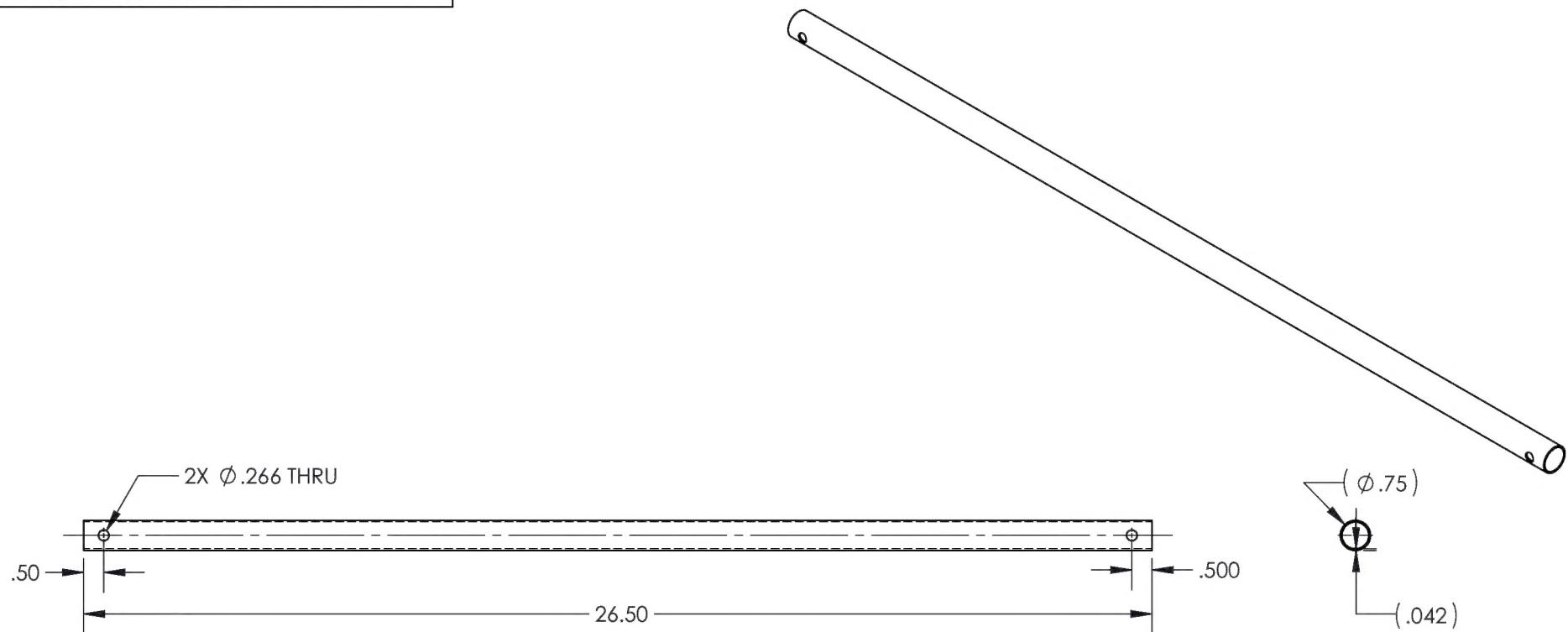


NOTE:  
1. REF. BELL T/N T101623.

RB RED BARN MACHINE	
TITLE	CRADLE SET-SUPPORT, MAIN ROTOR BLADE
DWG NO.	RB T101623-1
MAT'L	DRAWN BY: CLOUGH APPROVED: D Weil
UNLESS OTHERWISE SPECIFIED .XXX ± .005 .XX ± .01 .X ± .1	DIMENSIONS ARE IN INCHES FRACTIONS ± 1/32 ANGLES ± 5° SPEC USED ON MODEL BELL 204, 205, 212, 214
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:8	DATE 2/26/2013
SHEET 3 OF 54	REV 2

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



(-3)

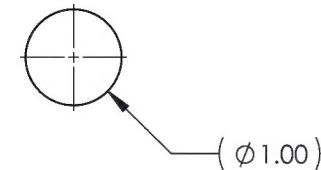
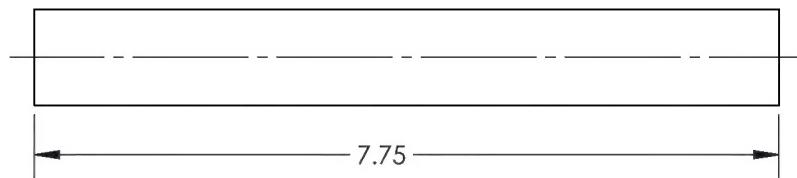
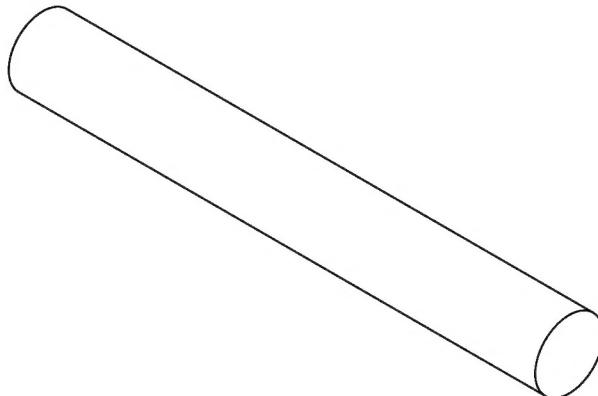
TUBE

NOTE:  
1. REF. BELL P/N: 209-782-028-55.

		RED BARN MACHINE	
TITLE			CRADLE SET- SUPPORT, MAIN ROTOR BLADE
DWG NO.	RB T101623-3		REV 2
MATL	CRES 304	DRAWN BY:	MARPET
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED	<i>D Weil</i>
.XXX ± .005	FRACTIONS ± 1/32	HEAT	
.XX ± .01	ANGLES ± .5°	TREAT	
.X ± .1		FINISH	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		SPEC	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL	
		BELL 204, 205, 212, 214	
SCALE	1:4	DATE	2/21/2013
			SHEET 4 OF 54

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



(-5)

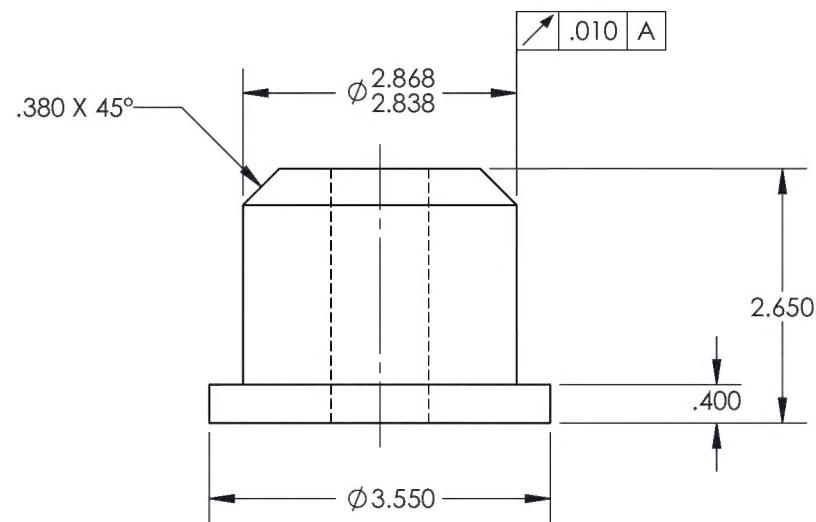
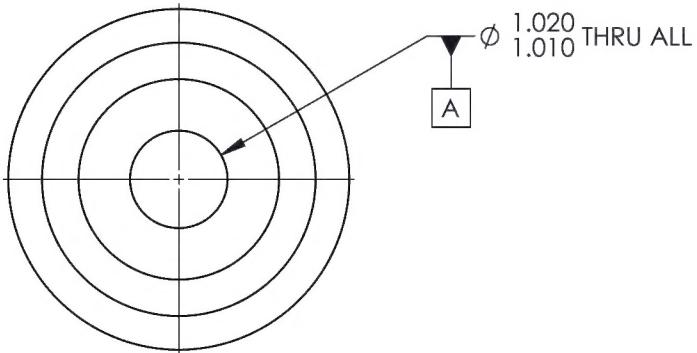
PIN

NOTE:  
1. REF. BELL P/N: 209-782-028-63.

		RED BARN MACHINE	
TITLE		CRADLE SET- SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-5	REV	2
MATL	CRES 3035	DRAWN BY:	MARPET
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED	<i>D Weil</i>
	.XXX ± .005	FRACTIONS ± 1/32	HEAT
	.XX ± .01	TREAT	
	.X ± .1	ANGLES ± .5°	FINISH
	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC	
	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL	
		BELL 204, 205, 212, 214	
SCALE	1:1	DATE	2/20/2013
			SHEET 5 OF 54

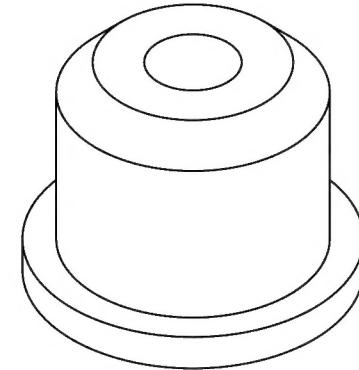
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REV		DESCRIPTION		DATE	INITIAL	APPROVED
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(-7)

ADAPTER



NOTE:  
REF: BELL P/N 209-782-029-1.



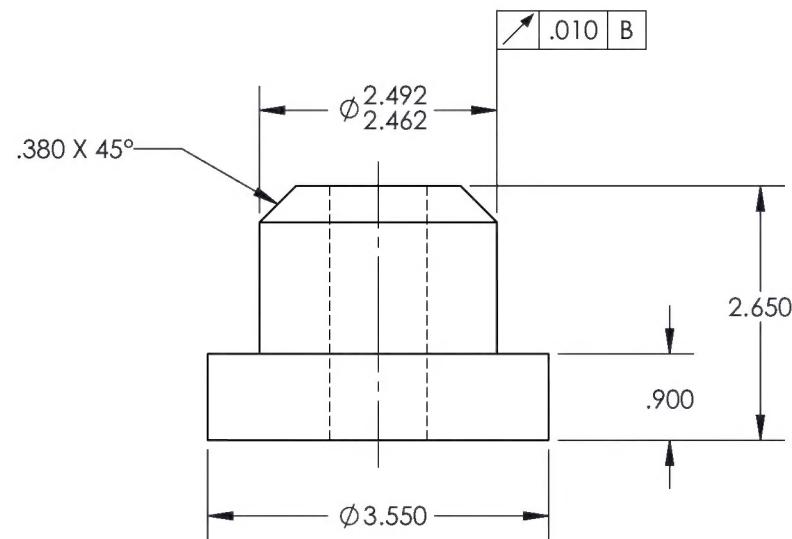
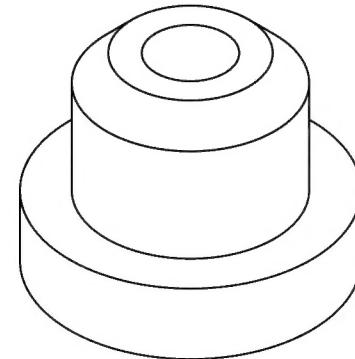
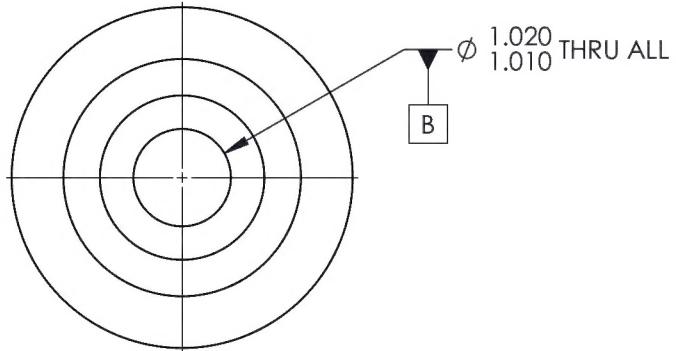
RED BARN MACHINE

TITLE: CRADLE SET-SUPPORT, MAIN ROTOR BLADE

MATL	POLYURETHANE	DRAWN BY:	MARPET
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
.XXX ± .005	FRACTIONS ± 1/32	APPROVED	D Weil
.XX ± .01	ANGLES ± .5°	HEAT	
.X ± .1		TREAT	
		FINISH	
		SPEC	
		USED ON MODEL	
		BELL 204, 205, 212, 214	
SCALE	1:2	DATE	2/21/2013
			SHEET 6 OF 54

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



(9)

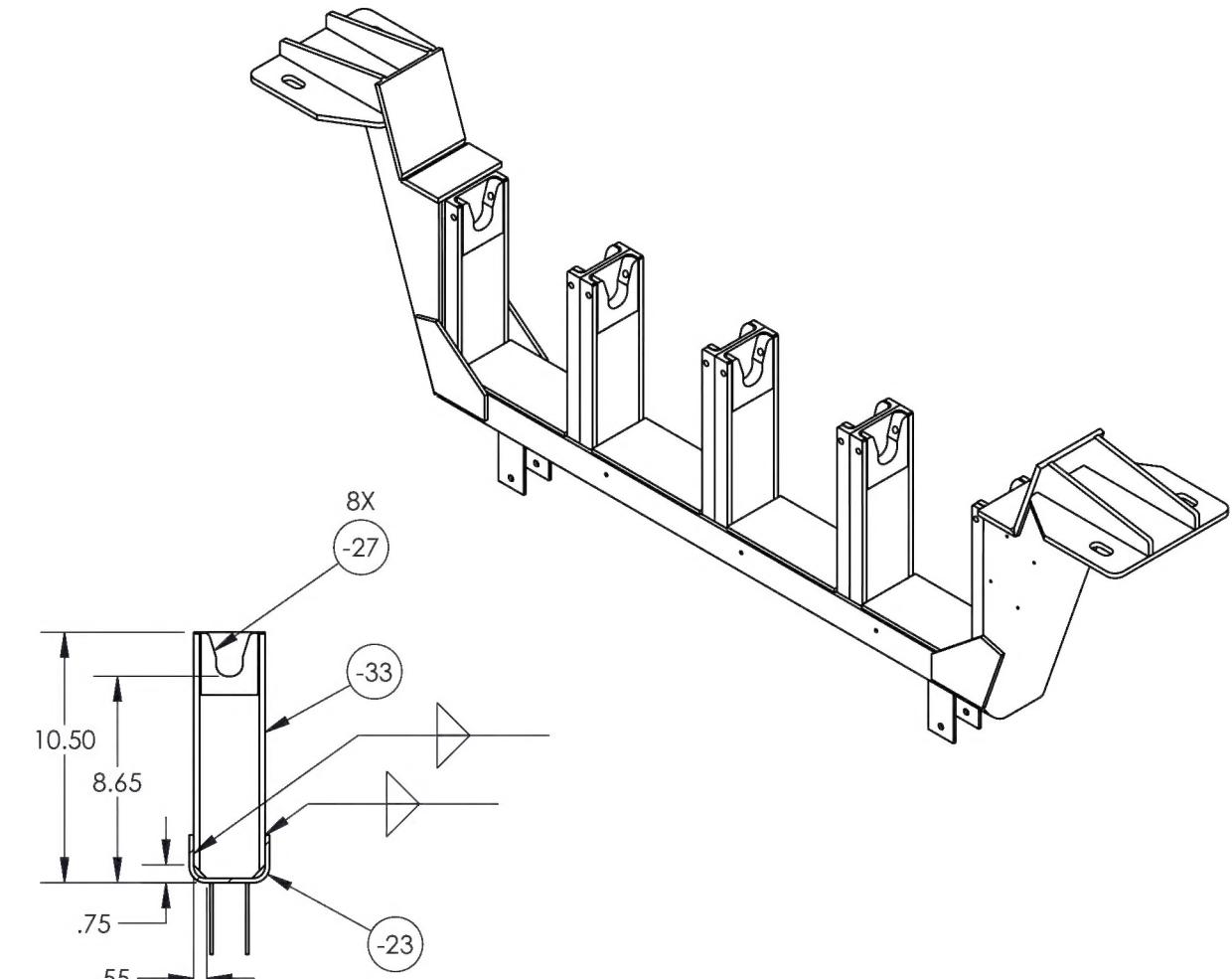
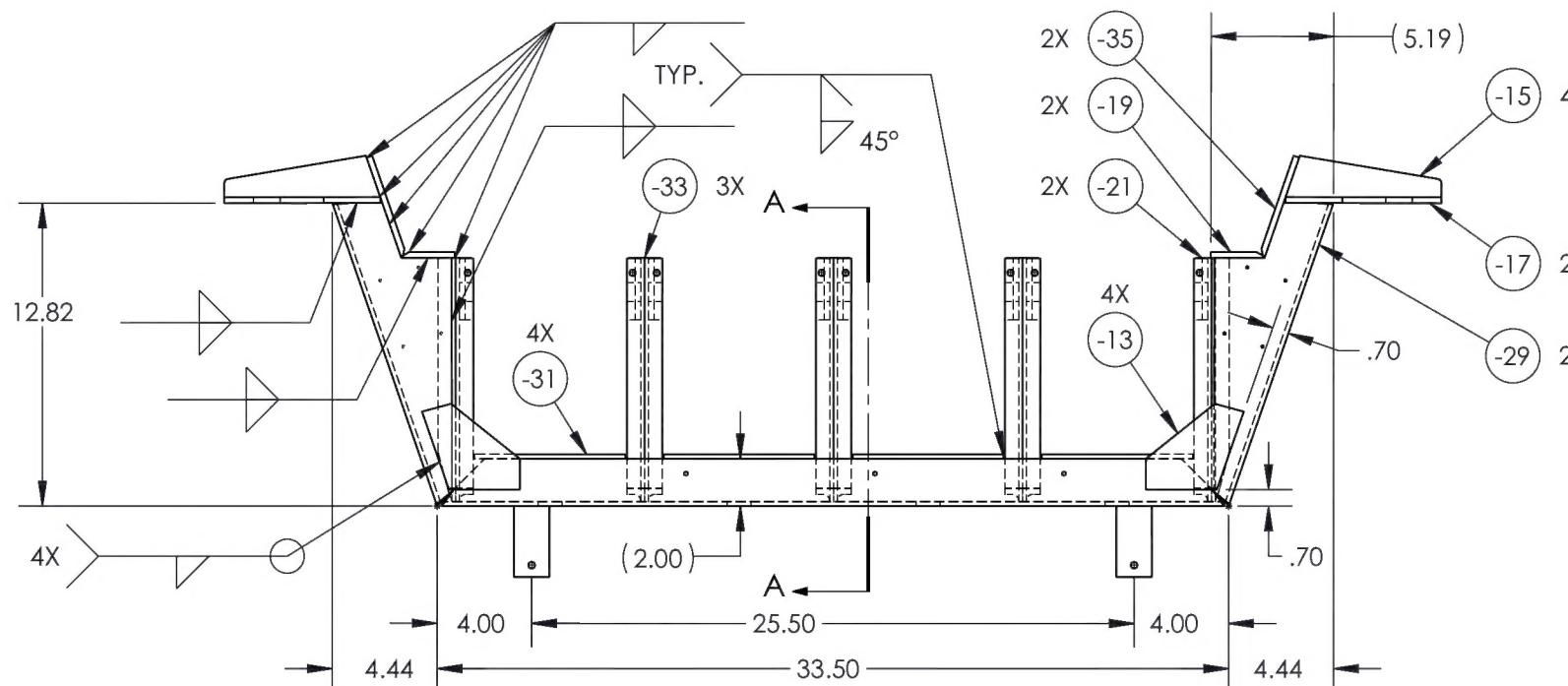
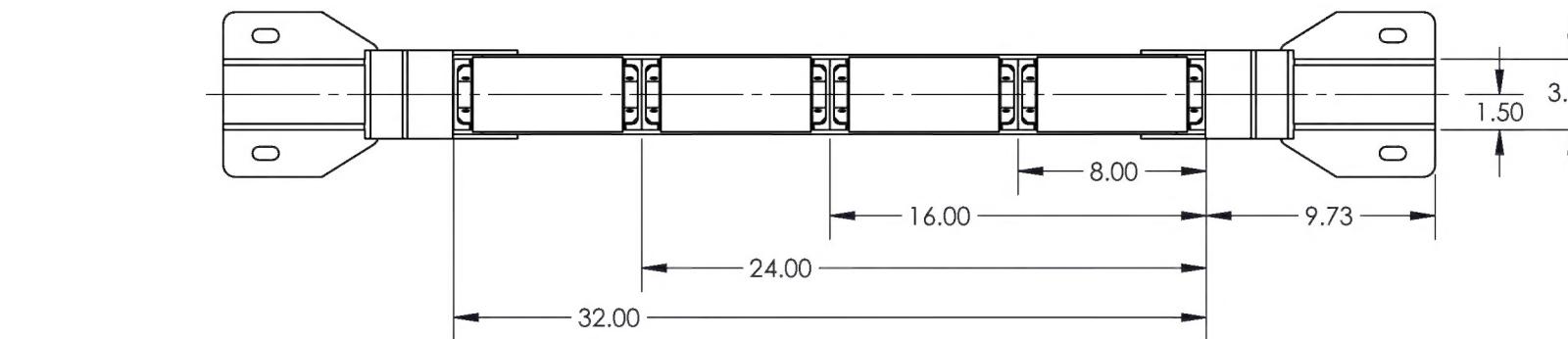
ADAPTER

NOTE:  
REF: BEL P/N 209-782-029-3.

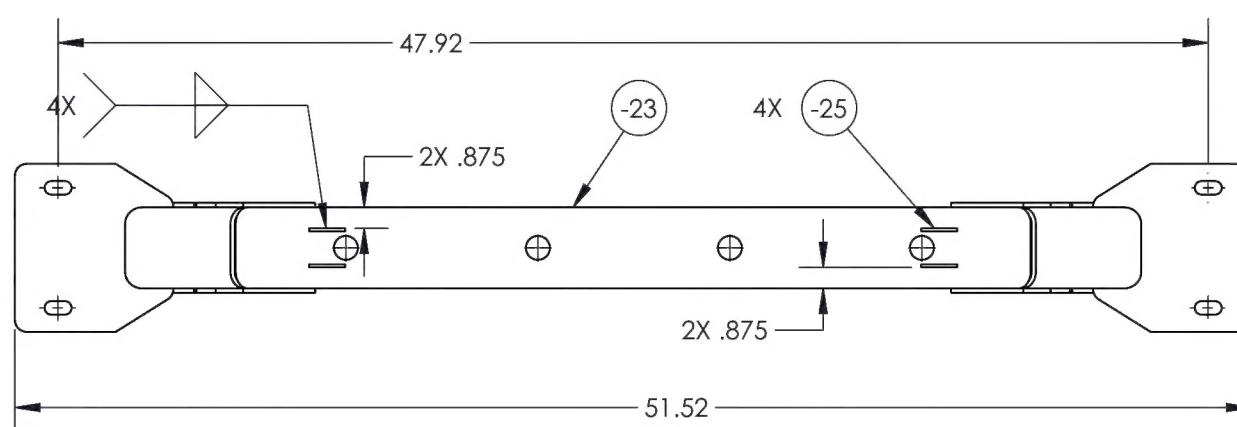
RED BARN MACHINE	
TITLE: CRADLE SET-SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-9
MATL.	POLYURETHANE
DRAWN BY: MARPET	
APPROVED <i>D Weil</i>	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± .5°	
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE	1:2
DATE	2/21/2013
SHEET 7 OF 54	

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REV	DESCRIPTION	DATE	INITIAL APPROVED
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SECTION A-A



(-11)  
SUPPORT ASSEMBLY

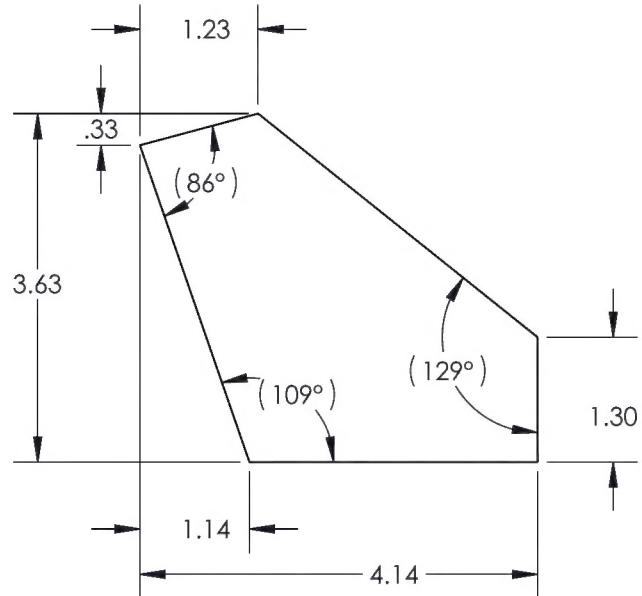
NOTES:  
1. REF: BELL P/N: 209-782-028-5.  
2. HIDDEN LINES REMOVED FOR CLARITY.

RB RED BARN MACHINE	
TITLE CRADLE SET - SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-11
MAT'L	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± .5°	
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SPEC	FED #13538
USED ON MODEL	
BELL 204, 205, 212, 214	
SCALE	1:8
DATE	2/22/2013
SHEET 8 OF 54	

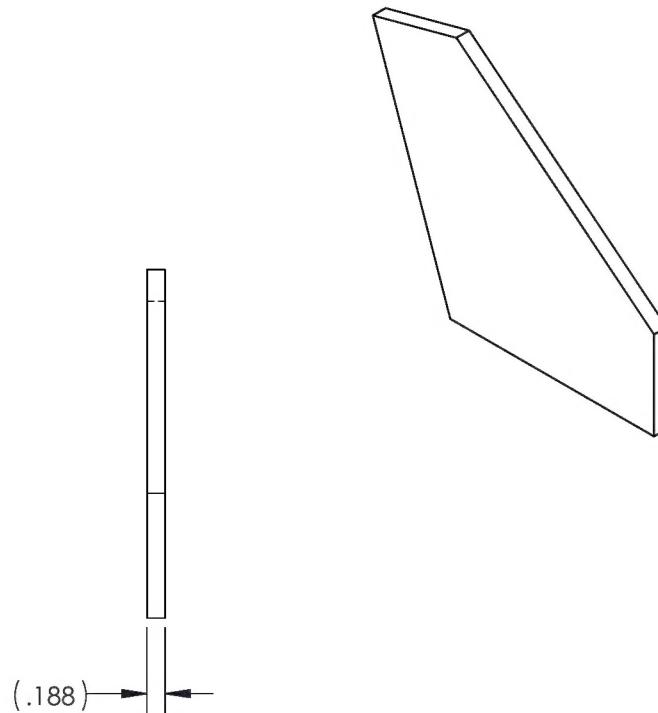
REV  
2

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED



(-13)  
DOUBLER

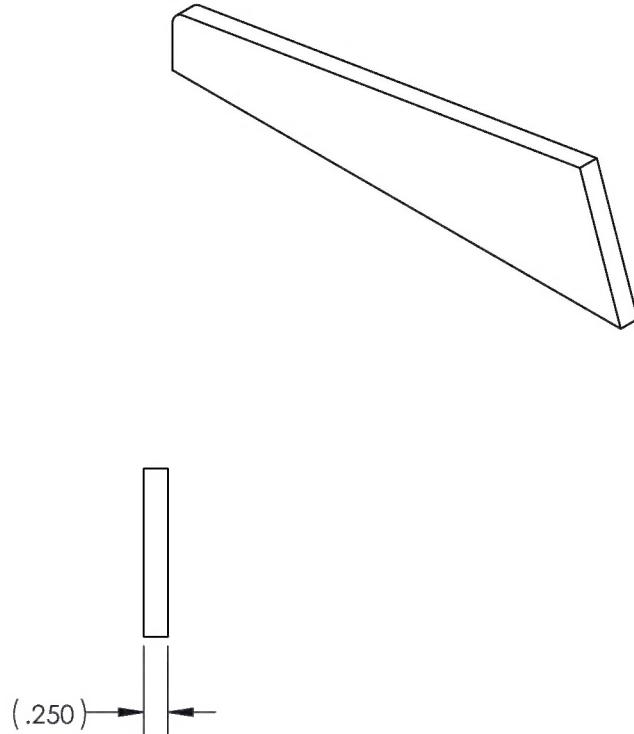
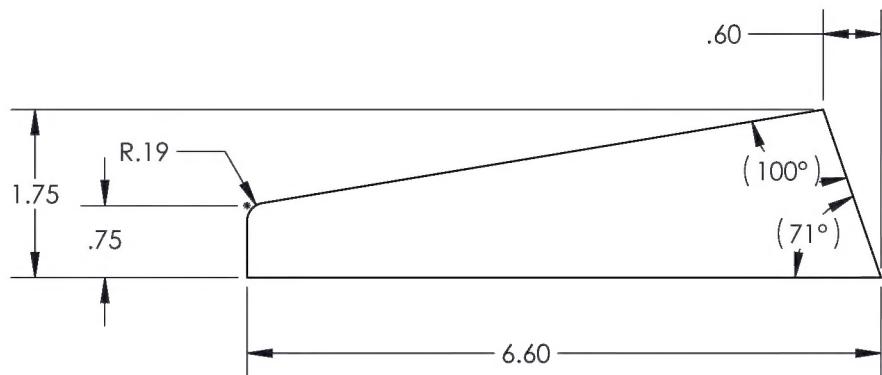


NOTE  
REF: BELL T/N 209-782-028-17.

	RED BARN MACHINE		
TITLE			
CRADLE SET- SUPPORT, MAIN ROTOR BLADE			
DWG NO.	RB T101623-13		
MATL	DRAWN BY: MARPET		
APPROVED <i>D Weil</i>			
UNLESS OTHERWISE SPECIFIED			
DIMENSIONS ARE IN INCHES			
.XXX ± .005	FRACTIONS ± 1/32		
.XX ± .01	ANGLES ± .5°		
.X ± .1	SPEC		
1. BREAK ALL SHARP EDGES .015 x 45°			
OR .015R			
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
USED ON MODEL			
BELL 204, 205, 212, 214			
SCALE	1:2	DATE	2/20/2013
SHEET 9 OF 54			

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REVISONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED



(-15)

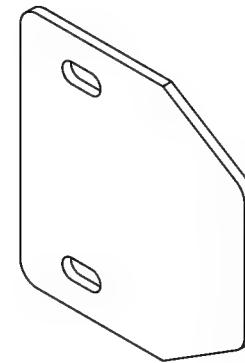
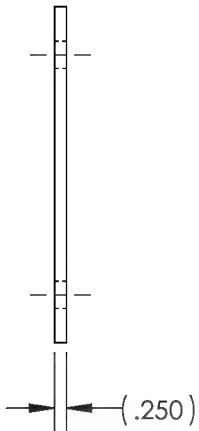
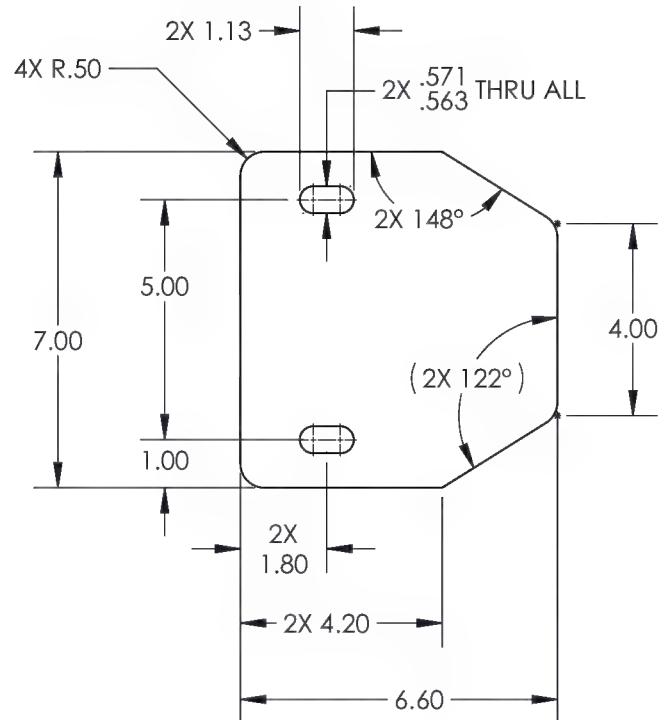
STIFFENER

NOTE  
REF: BELL T/N 209-782-028-21.

RED BARN MACHINE	
TITLE	CRADLE SET- SUPPORT, MAIN ROTOR BLADE
DWG NO.	RB T101623-15
MATL	A36 P&O
UNLESS OTHERWISE SPECIFIED	DRAWN BY: MARPET
DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	HEAT TREAT
1. BREAK ALL SHARP EDGES .015 x 45°	FINISH SEE -11 WELDMENT
OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	BELL 204, 205, 212, 214
SCALE	1:2
DATE	2/20/2013
SHEET 10 OF 54	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	CH'D HOLES INTO SLOTS	7/29/2013	JAG	



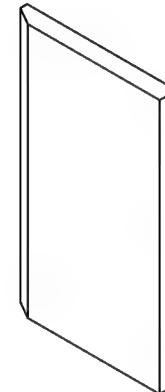
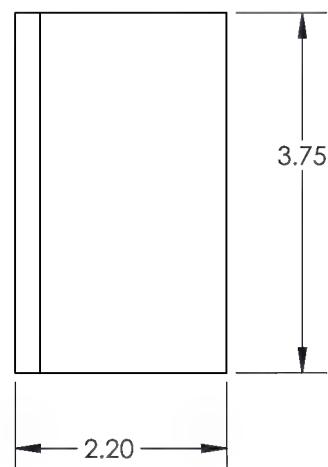
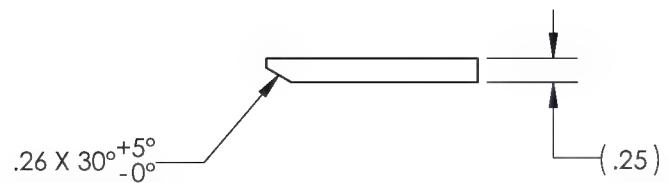
-17  
ATTACH PLATE

NOTE  
REF: BELL T/N 209-782-028-23.

	RED BARN MACHINE	
TITLE	CRADLE SET-SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-17	REV 2
MATL	A36 P&O	DRAWN BY: MARPET
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
.XXX ± .005	FRACTIONS ± 1/32	APPROVED
.XX ± .01	ANGLES ± .5°	HEAT TREAT
.X ± .1		FINISH SEE -11 WELDMENT
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
SCALE	1:4	DATE 2/20/2013
		SHEET 11 OF 54

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED



(-19)

STIFFENER

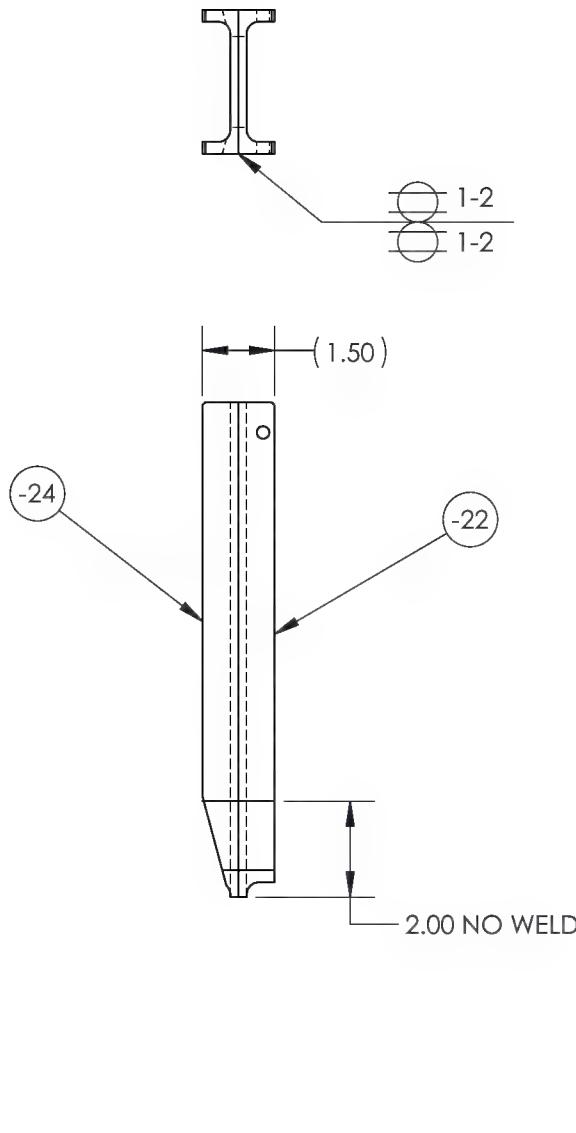
NOTE  
REF: BELL T/N 209-782-028-25.

RED BARN MACHINE	
TITLE CRADLE SET- SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-19
MATL	1018 P&O
DRAWN BY: MARPET	
APPROVED <i>D Weil</i>	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± .5°	
X ± .1	
HEAT TREAT FINISH SEE -11 WELDMENT	
SPEC	
USED ON MODEL	
BELL 204, 205, 212, 214	
SCALE	1:2
DATE	2/20/2013
SHEET 12 OF 54	

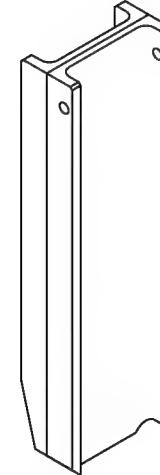
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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	CHANGED FROM BEAM TO CHANNEL	7/29/2013	JAG	



SUPPORT WELDMENT

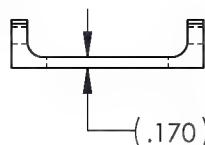
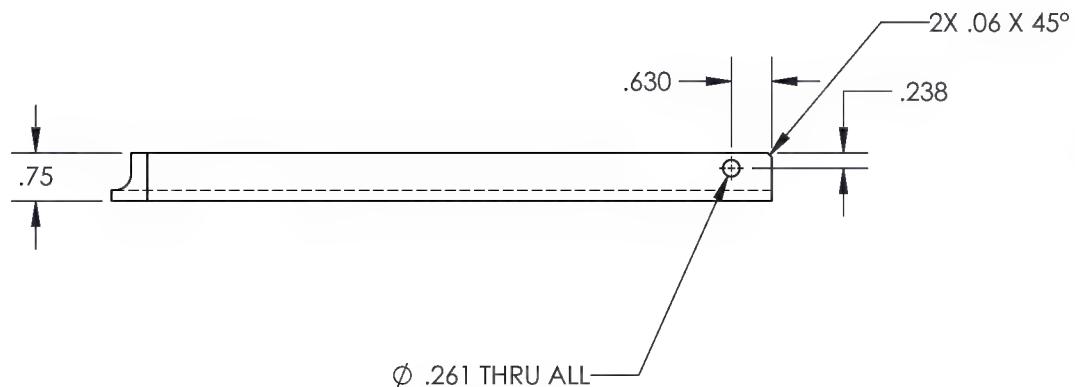
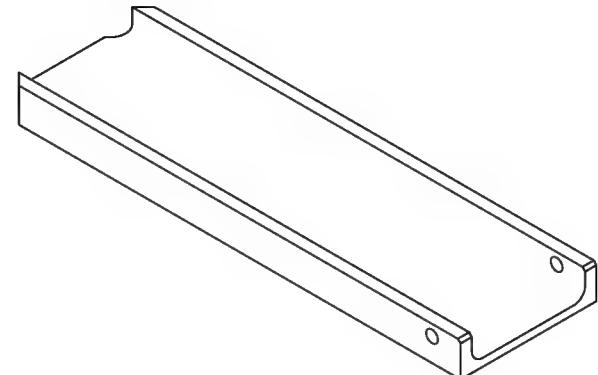
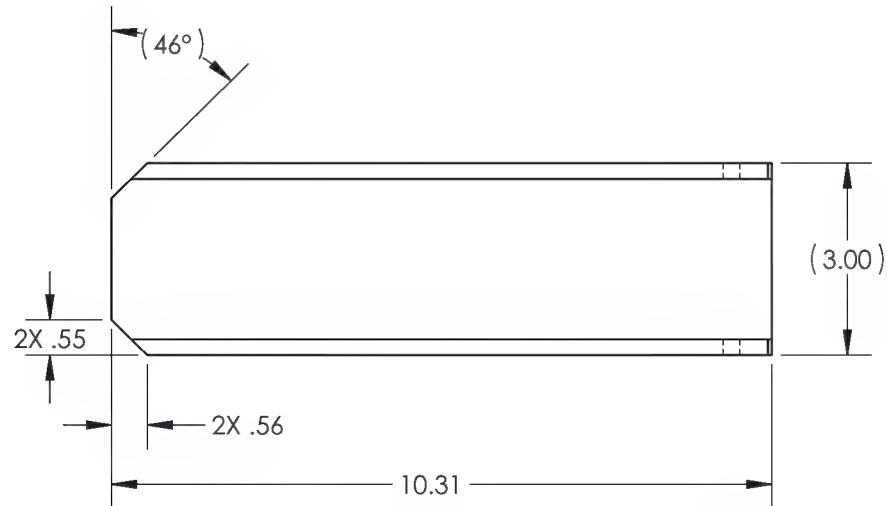


NOTE  
REF: BELL T/N 209-782-028-27.

RED BARN MACHINE	
TITLE	CRADLE SET-SUPPORT, MAIN ROTOR BLADE
DWG NO.	RB T101623-21
REV	2
MATL	DRAWN BY: GILBERT <i>D Weil</i>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± 5°	
X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SPEC	HEAT TREAT FINISH
USED ON MODEL	BELL 204, 205, 212, 214
SCALE	1:4
DATE	7/26/2013
SHEET 13 OF 54	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	CHANGED -21 FROM BEAM TO CHANNEL, HOLE FROM Ø.281 TO Ø.261	7/29/2013	JAG	DW



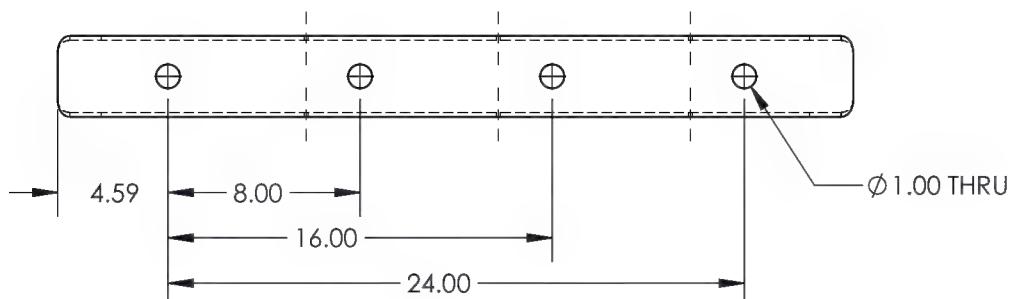
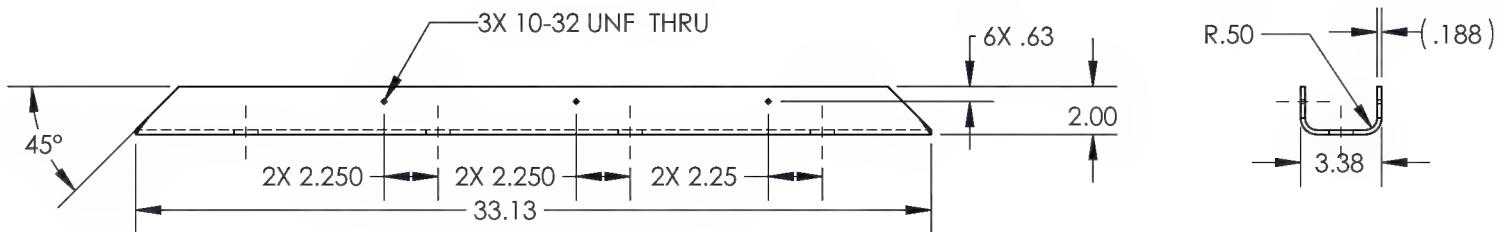
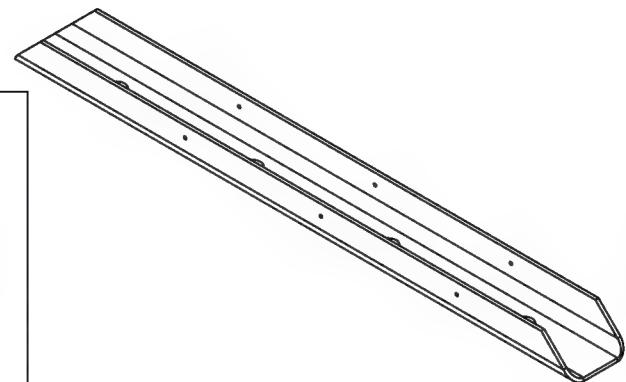
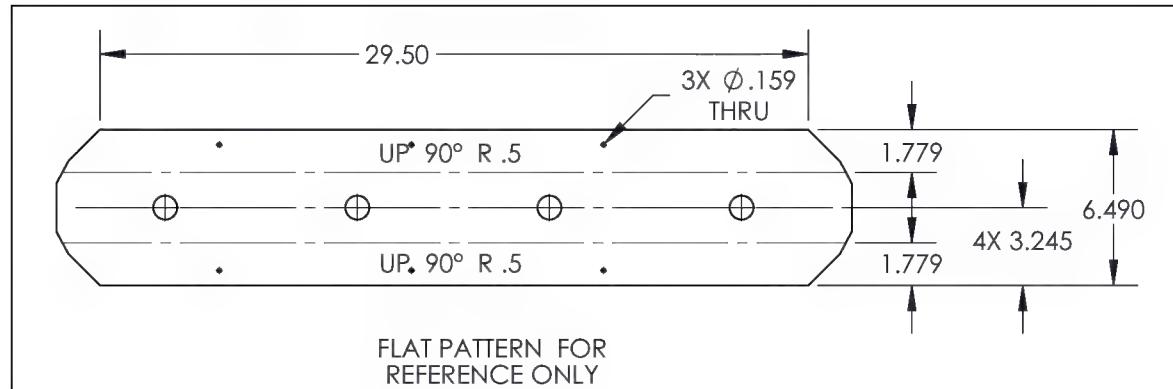
(-22)

SUPPORT

		RED BARN MACHINE	
TITLE		CRADLE SET-SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-22		REV 2
MATL. STEEL	DRAWN BY: GILBERT		APPROVED <i>D Weil</i>
UNLESS OTHERWISE SPECIFIED	DIMENSIONS ARE IN INCHES		HEAT TREAT FINISH
.XXX ± .005	FRACTIONS ± 1/32		SPEC
.XX ± .01	ANGLES ± .5°		USED ON MODEL
X ± .1	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		BELL 204, 205, 212, 214
	2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
SCALE	1:3	DATE	7/26/2013
			SHEET 14 OF 54

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REV		DESCRIPTION		DATE	INITIAL	APPROVED
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(-23)

SUPPORT

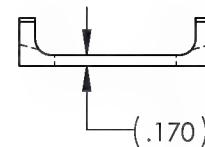
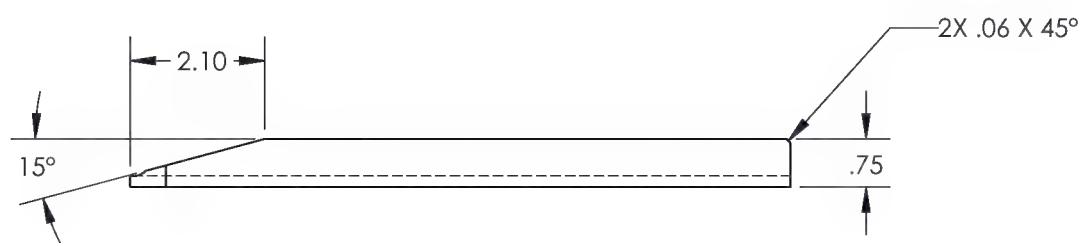
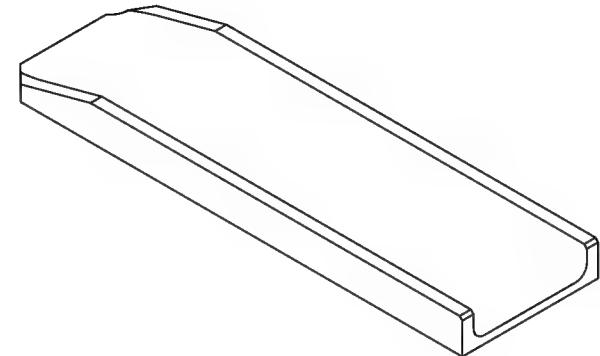
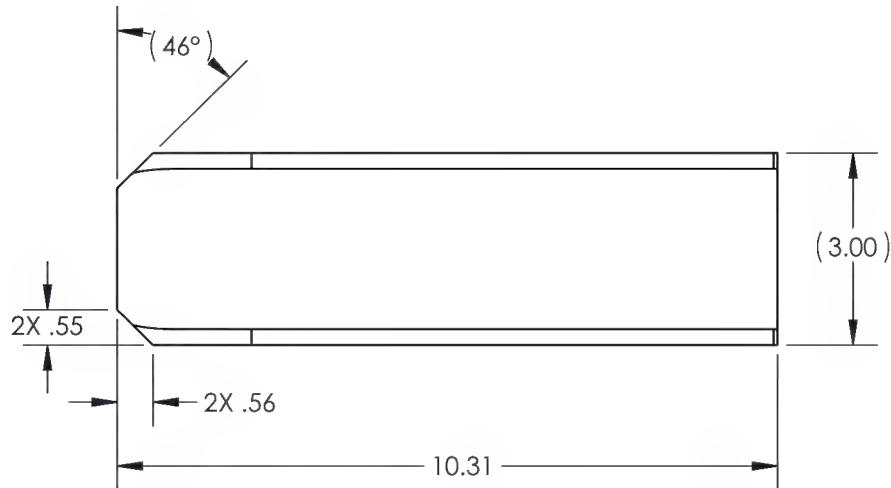
NOTE  
REF: BELL T/N 209-782-028-29.

RED BARN MACHINE	
TITLE CRADLE SET- SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-23
MATL	1018 P&O
DRAWN BY: MARPET	
APPROVED <i>D Weil</i>	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.0XX ± .005 FRACTIONS ± 1/32	
.0X ± .01 ANGLES ± .5°	
X ± .1	
HEAT TREAT FINISH SEE -11 WELDMENT	
SPEC	
USED ON MODEL	
BELL 204, 205, 212, 214	
SCALE	1:8
DATE	2/19/2013
SHEET 15 OF 54	

REV  
2

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	CHANGED -21 FROM BEAM TO CHANNEL	7/29/2013	JAG	DW



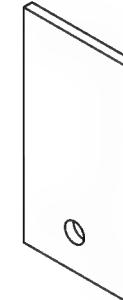
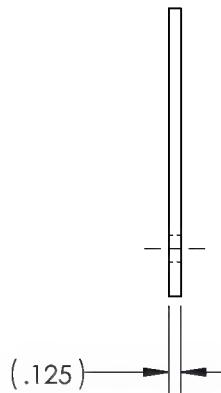
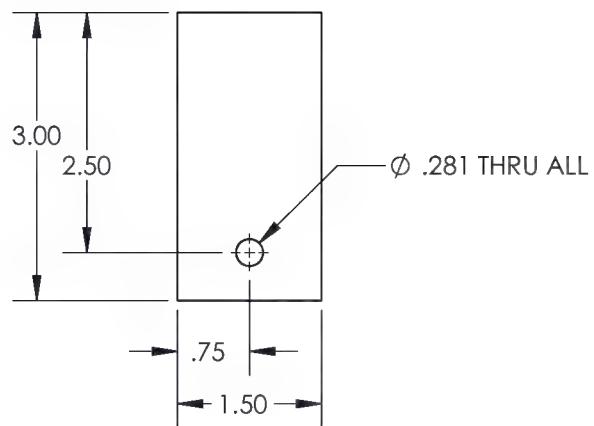
-24

SUPPORT

RED BARN MACHINE	
TITLE CRADLE SET-SUPPORT, MAIN ROTOR BLADE	
DWG NO. RB T101623-24 REV 2	
MATL. STEEL	DRAWN BY: GILBERT APPROVED <i>D Weil</i>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
XX ± .01 ANGLES ± .5°	
X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
HEAT TREAT FINISH	
SPEC	
USED ON MODEL	
BELL 204, 205, 212, 214	
SCALE 1:3	DATE 7/26/2013
SHEET 16 OF 54	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED



(-25)  
BRACKET

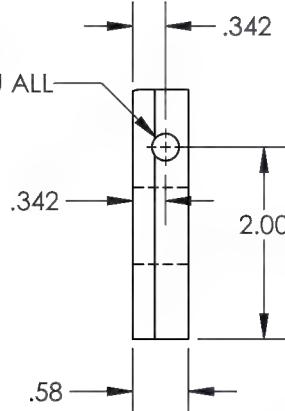
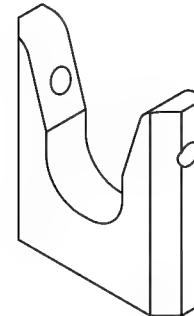
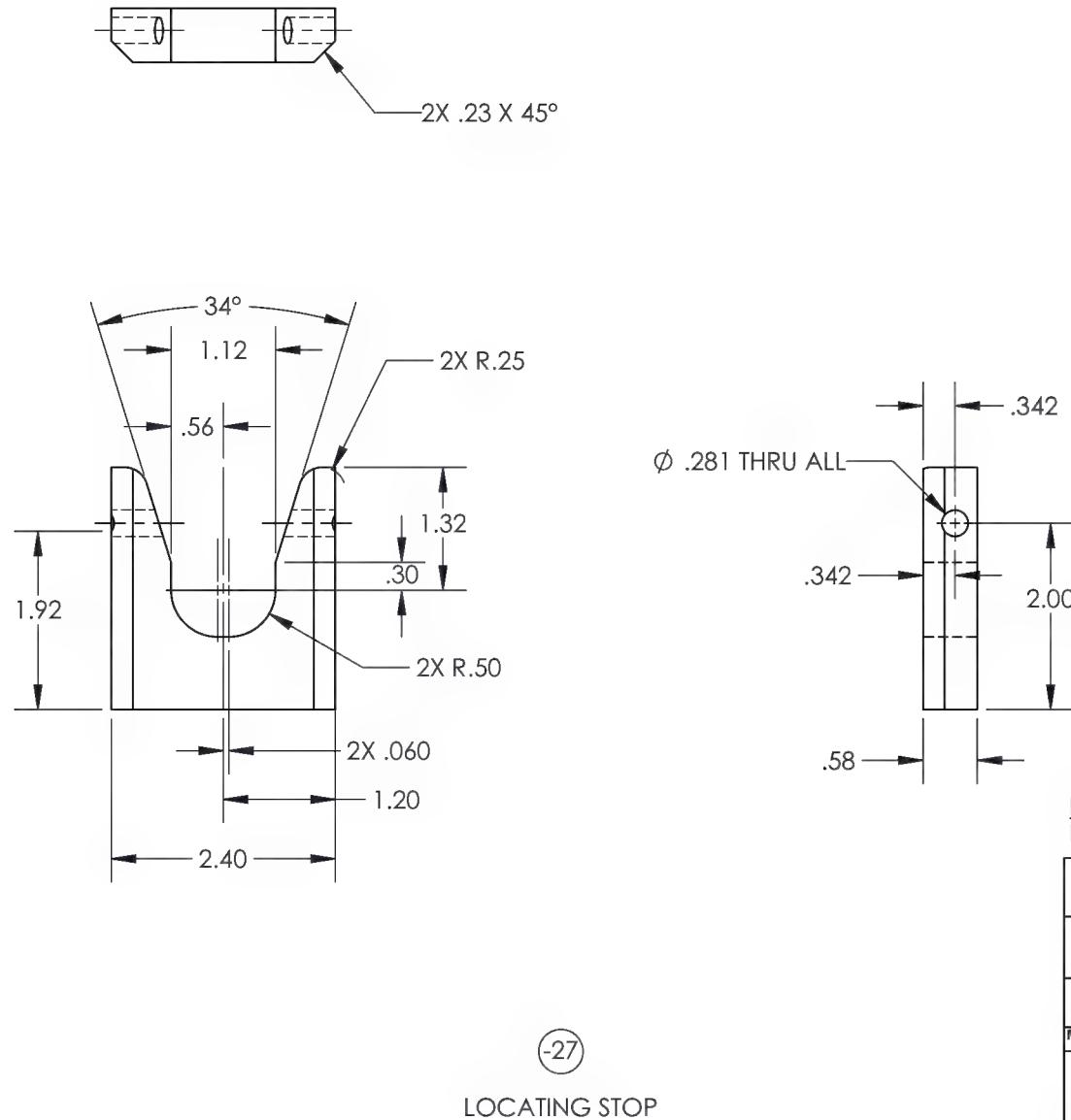
NOTE  
REF: BELL T/N 209-782-028-31.

RED BARN MACHINE	
TITLE	CRADLE SET- SUPPORT, MAIN ROTOR BLADE
DWG NO.	RB T101623-25
MATL	1018 P&O
UNLESS OTHERWISE SPECIFIED	DRAWN BY: MARPET
DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	HEAT TREAT
.X ± .1	FINISH SEE -11 WELDMENT
1. BREAK ALL SHARP EDGES .015 x 45°	SPEC
OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL 204, 205, 212, 214
SCALE	1:2
DATE	2/20/2013
SHEET	17 OF 54

REV  
**2**

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	CH'D THICKNESS FROM .62 TO .58 TO FIT CHANNEL.	2/18/2014	JAG	DW

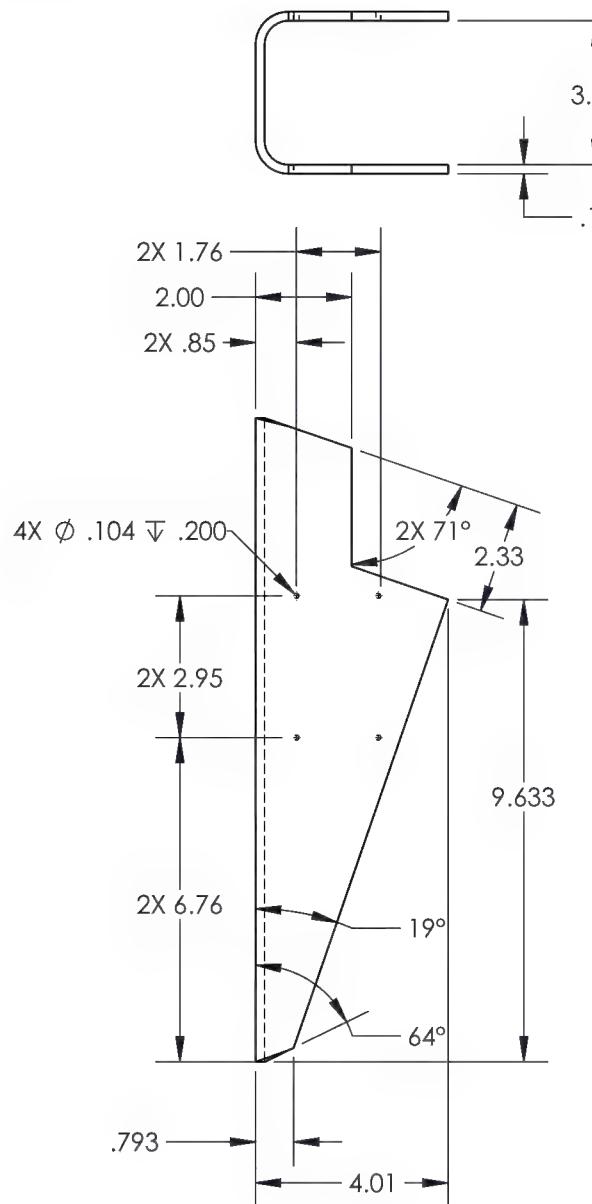


NOTE  
REF: BELL T/N209-782-028-31.

	RED BARN MACHINE	
TITLE		
CRADLE SET-SUPPORT, MAIN ROTOR BLADE		
DWG NO.		REV
RB T101623-27		2
MATERIAL 1018 P&O		DRAWN BY: MARPET
UNLESS OTHERWISE SPECIFIED		APPROVED <i>D Weil</i>
DIMENSIONS ARE IN INCHES		HEAT
.XXX ± .005	FRACTIONS ± 1/32	TREAT
XX ± .01	ANGLES ± .5°	FINISH SEE -11 WELDMENT
X ± .1		SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
USED ON MODEL		BELL 204, 205, 212, 214
SCALE	1:2	DATE 2/20/2013
SHEET 18 OF 54		

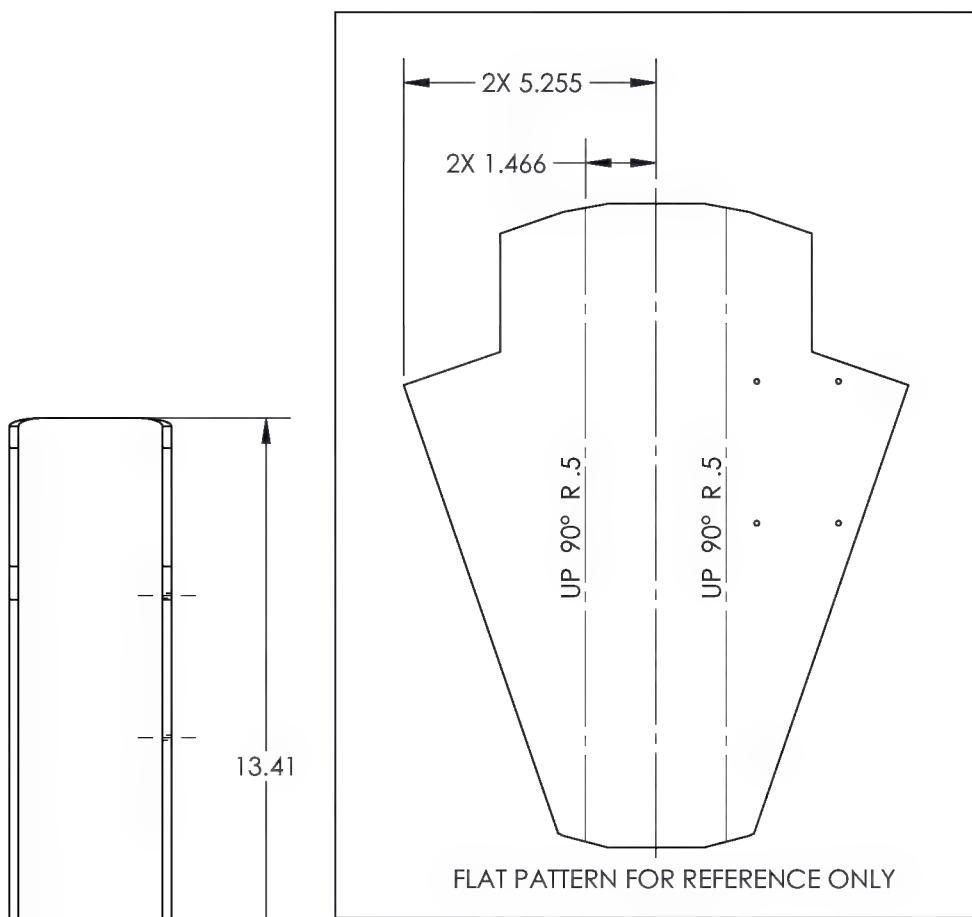
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REV		DESCRIPTION	DATE	INITIAL	APPROVED
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(29)

SUPPORT

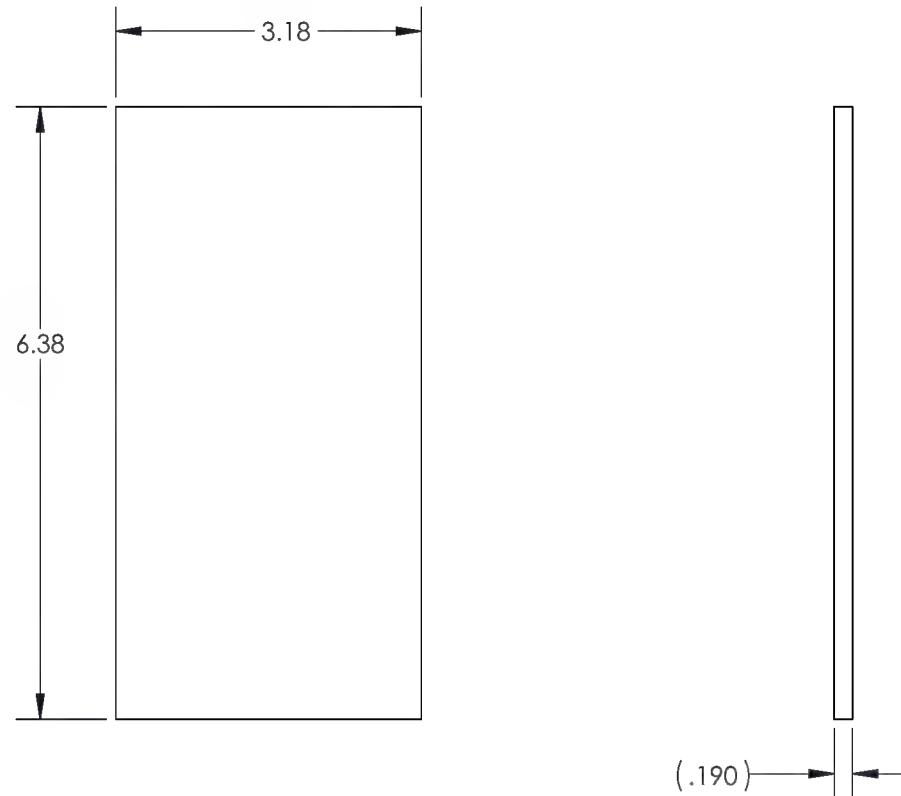


NOTE:  
REF: BELL 209-782-028-37.

<b>RB</b>	<b>RED BARN MACHINE</b>
<b>TITLE</b>	<b>CRADLE SET-SUPPORT, MAIN ROTOR BLADE</b>
<b>DWG NO.</b>	<b>RB T101623-29</b>
<b>MATL</b>	<b>A36 P&amp;O</b>
<b>UNLESS OTHERWISE SPECIFIED</b>	<b>DRAWN BY: CLOUGH</b>
<b>DIMENSIONS ARE IN INCHES</b>	<b>APPROVED: <i>D. Weil</i></b>
<b>.XXX ± .005</b>	<b>FRACTIONS ± 1/32</b>
<b>.XX ± .01</b>	<b>ANGLES ± .5°</b>
<b>.X ± .1</b>	<b>HEAT TREAT FINISH SEE -11 WELDMENT</b>
<b>1. BREAK ALL SHARP EDGES .015 x 45° OR .015R</b>	<b>SPEC</b>
<b>2. DIMENSIONAL LIMITS APPLY AFTER PLATING</b>	<b>USED ON MODEL</b>
<b>PLATING</b>	<b>BELL 204, 205, 212, 214</b>
<b>SCALE</b>	<b>1:4</b>
<b>DATE</b>	<b>2/21/2013</b>
<b>SHEET</b>	<b>19 OF 54</b>

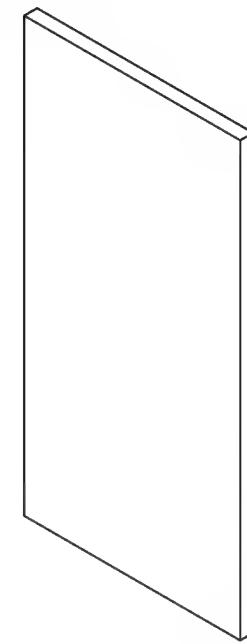
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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED



(-31)

STIFFENER

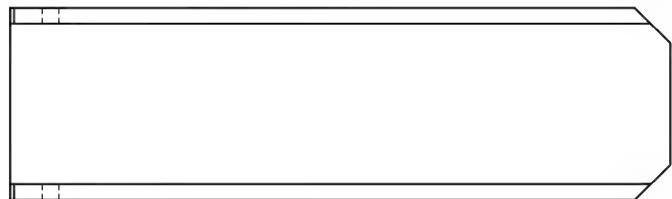
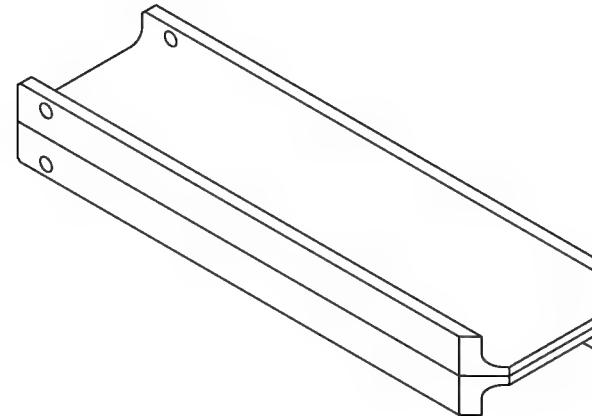
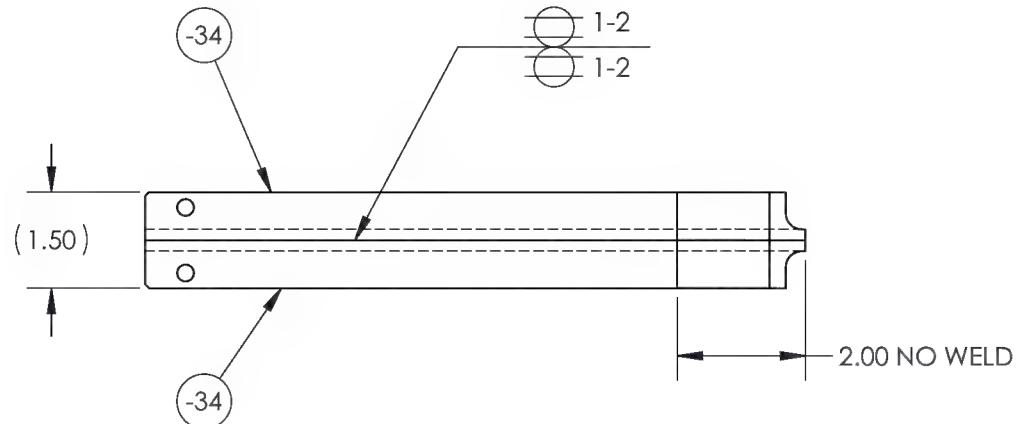


NOTE  
REF: BELL T/N 209-782-028-39.

RED BARN MACHINE	
TITLE	CRADLE SET-SUPPORT, MAIN ROTOR BLADE
DWG NO.	RB T101623-31
MATL	1018 P&O
UNLESS OTHERWISE SPECIFIED	DRAWN BY: MARPET
DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	HEAT TREAT FINISH SEE -11 WELDMENT
1. BREAK ALL SHARP EDGES .015 x 45°	SPEC
OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL 204, 205, 212, 214
SCALE	1:2
DATE	2/19/2013
SHEET	20 OF 54
REV	2

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	CHANGED-33 FROM BEAM TO CHANNEL	7/29/2013	JAG	



NOTE  
REF: BELL T/N 209-782-028-43.

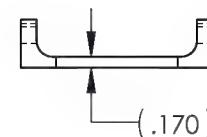
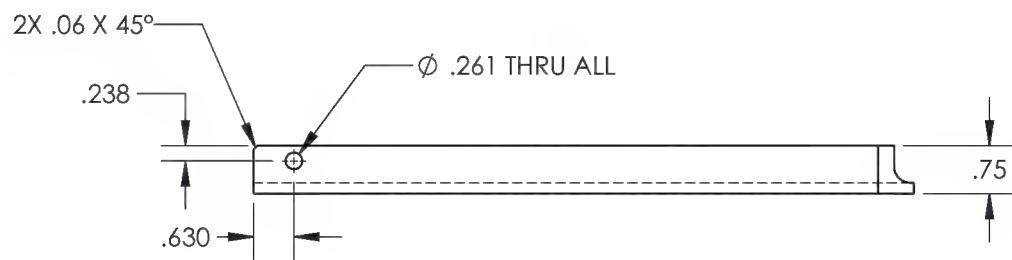
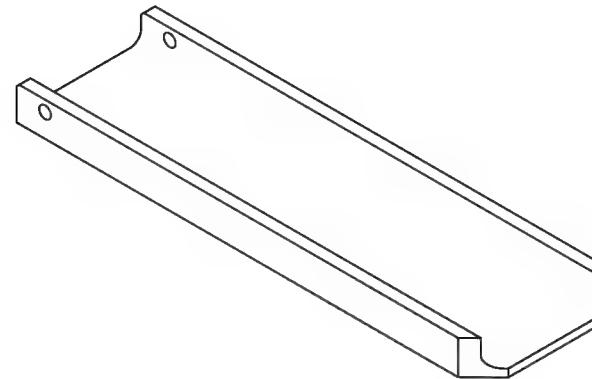
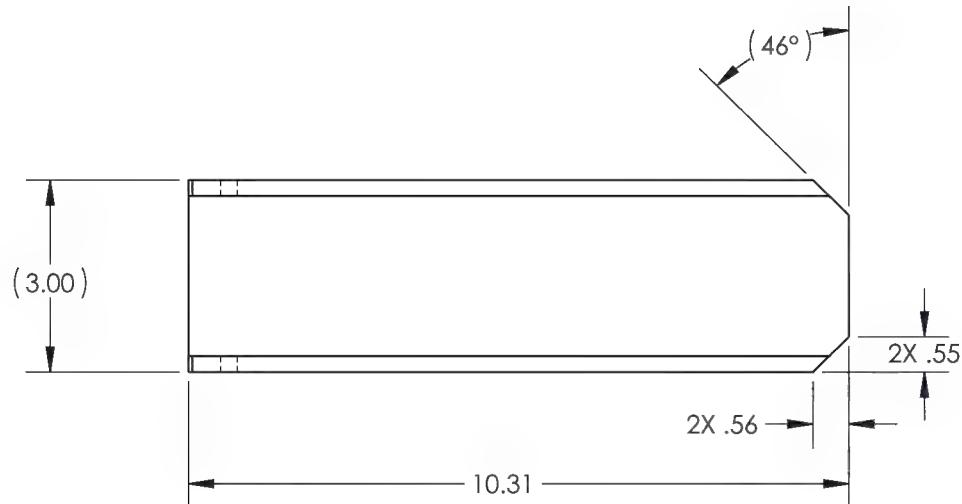
(-33)

SUPPORT WELDMENT

RED BARN MACHINE	
TITLE CRADLE SET-SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-33
REV	2
MATL	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± 5°
X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45°	
OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
HEAT TREAT FINISH	
SPEC	
USED ON MODEL	
BELL 204, 205, 212, 214	
SCALE	1:3
DATE	7/26/2013
SHEET 21 OF 54	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	CHANGED -33 FROM BEAM TO CHANNEL, HOLE FROM Ø.281 TO Ø.261	7/29/2013	JAG	DW

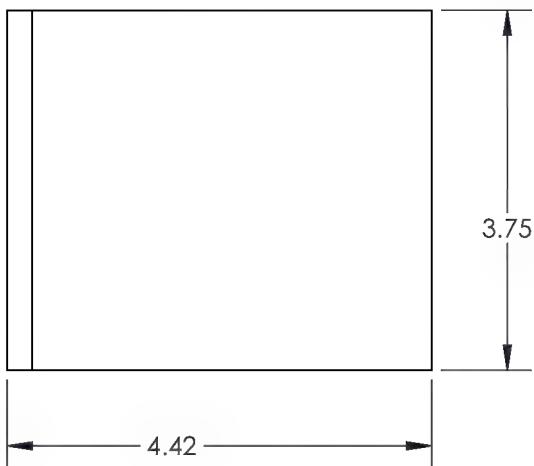
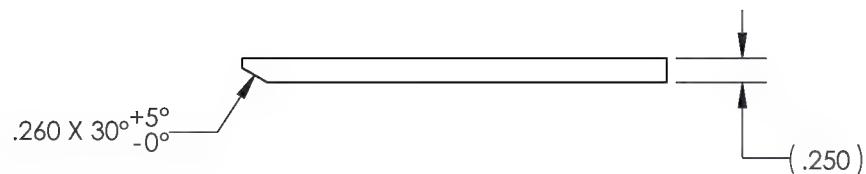


(-34)  
SUPPORT

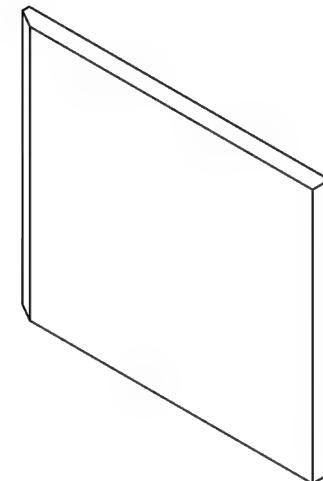
RED BARN MACHINE	
TITLE CRADLE SET-SUPPORT, MAIN ROTOR BLADE	
DWG NO. RB T101623-34 REV 2	
MATL. STEEL	DRAWN BY: GILBERT APPROVED D Weil
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:3	DATE 7/26/2013
SHEET 22 OF 54	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED



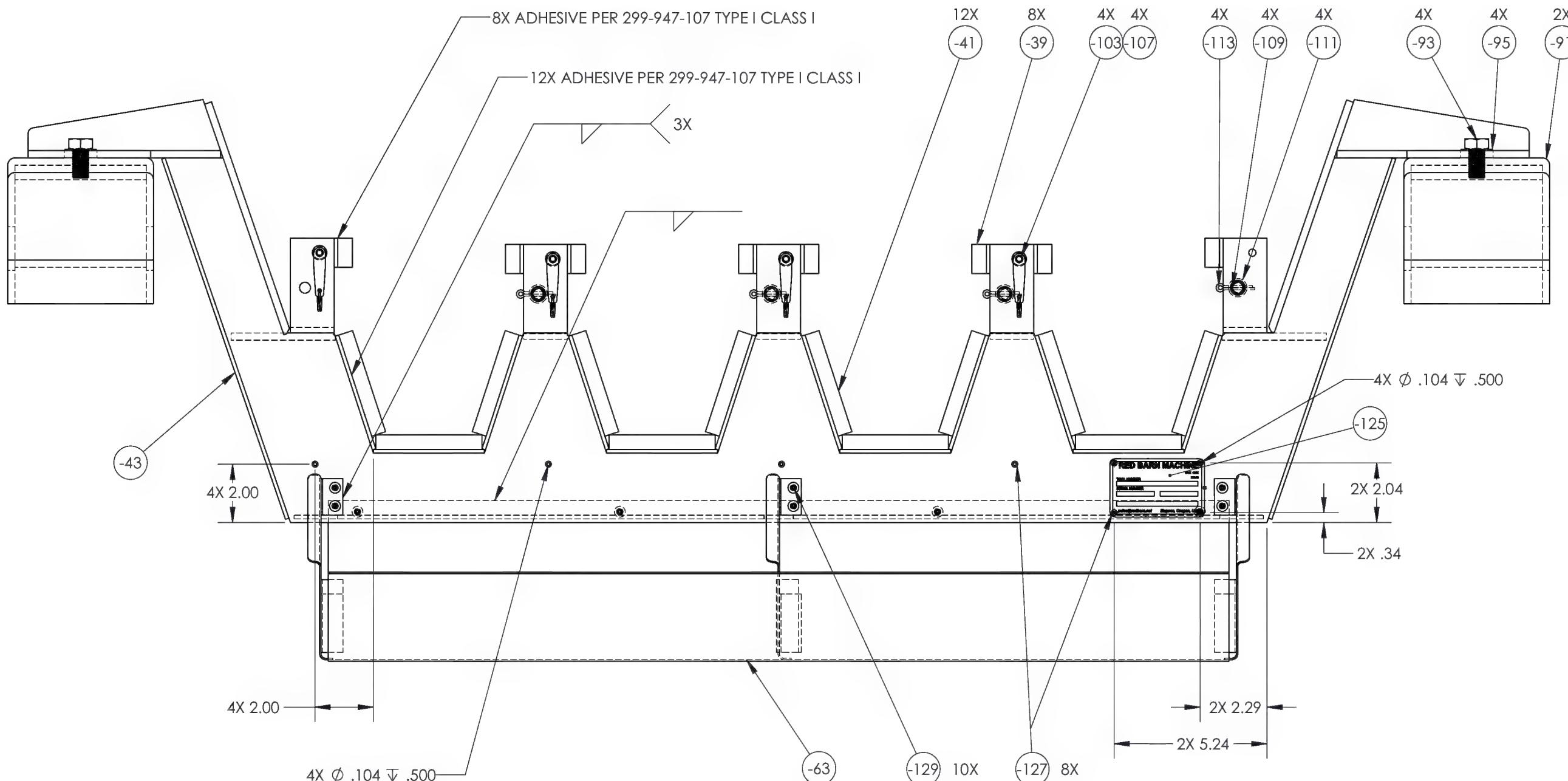
STIFFENER



NOTE  
REF: BELL T/N 209-782-028-49.

	<b>RED BARN MACHINE</b>
TITLE	CRADLE SET- SUPPORT, MAIN ROTOR BLADE
DWG NO.	RB T101623-35
MATL	DRAWN BY: MARPET
1018 P&O	APPROVED <i>D Weil</i>
UNLESS OTHERWISE SPECIFIED	HEAT
DIMENSIONS ARE IN INCHES	TREAT
.XXX ± .005	FINISH SEE -11 WELDMENT
XX ± .01	SPEC
X ± .1	USED ON MODEL
1. BREAK ALL SHARP EDGES .015 x 45°	BELL 204, 205, 212, 214
OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER	
PLATING	
SCALE 1:2	DATE 2/20/2013
	SHEET 23 OF 54

REV	DESCRIPTION	DATE	INITIAL APPROVED
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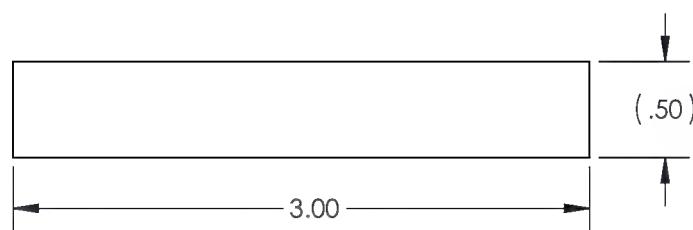
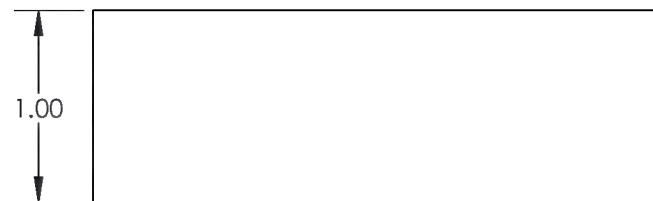
(-37)  
CRADLE ASSEMBLY

NOTE:  
REF: BELL T/N 209-782-028-3.

<b>RB RED BARN MACHINE</b>	
<b>TITLE</b>	<b>CRADLE SET-SUPPORT, MAIN ROTOR BLADE</b>
<b>DWG NO.</b>	<b>RB T101623-37</b>
<b>MAT'L</b>	<b>DRAWN BY:</b> MARPET
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	<b>APPROVED</b> <i>D. Weil</i>
.XXX ± .005	<b>REAT</b>
.XX ± .01	<b>TREAT</b>
.X ± .1	<b>FINISH</b>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	<b>SPEC</b>
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>USED ON MODEL</b>
	BELL 204, 205, 212, 214
<b>SCALE</b>	<b>1:4</b>
<b>DATE</b>	<b>2/25/2013</b>
<b>SHEET 24 OF 54</b>	

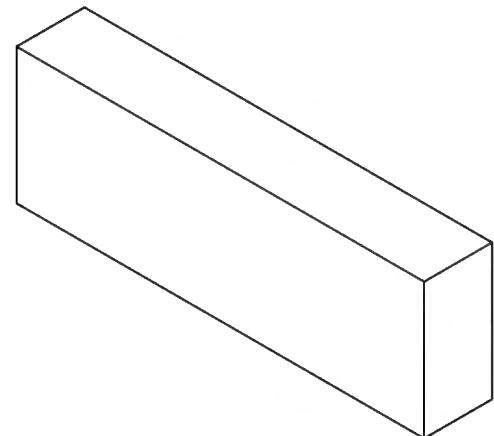
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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED



(-39)

PAD

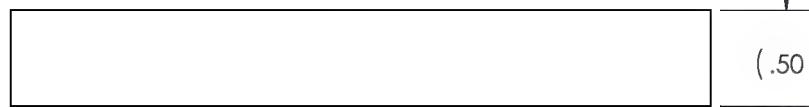
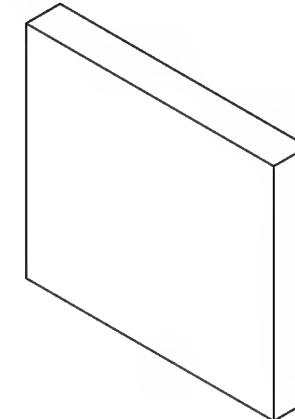
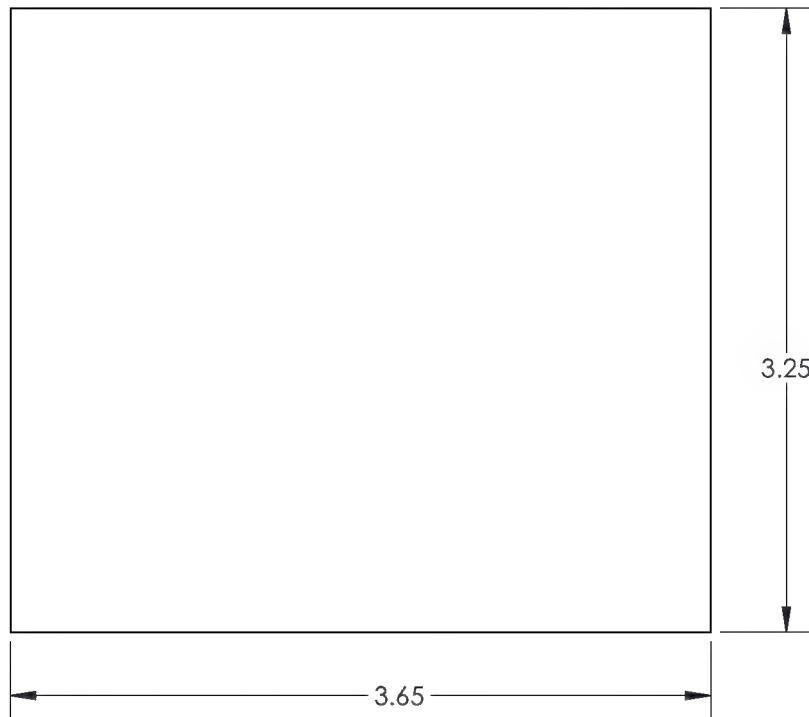


NOTE  
REF: BELL T/N 209-782-028-65.

	RED BARN MACHINE
TITLE	CRADLE SET- SUPPORT, MAIN ROTOR BLADE
DWG NO.	RB T101623-39
MATL	NEOPRENE RUBBER, BLACK
	DRAWN BY: CLOUGH
	APPROVED <i>D Weil</i>
	UNLESS OTHERWISE SPECIFIED
	DIMENSIONS ARE IN INCHES
	.XXX ± .005 FRACTIONS ± 1/32
	.XX ± .01 ANGLES ± 5°
	X ± .1
	1. BREAK ALL SHARP EDGES .015 x 45°
	OR .015R
	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
SCALE	1:1
DATE	2/20/2013
SHEET	25 OF 54

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED

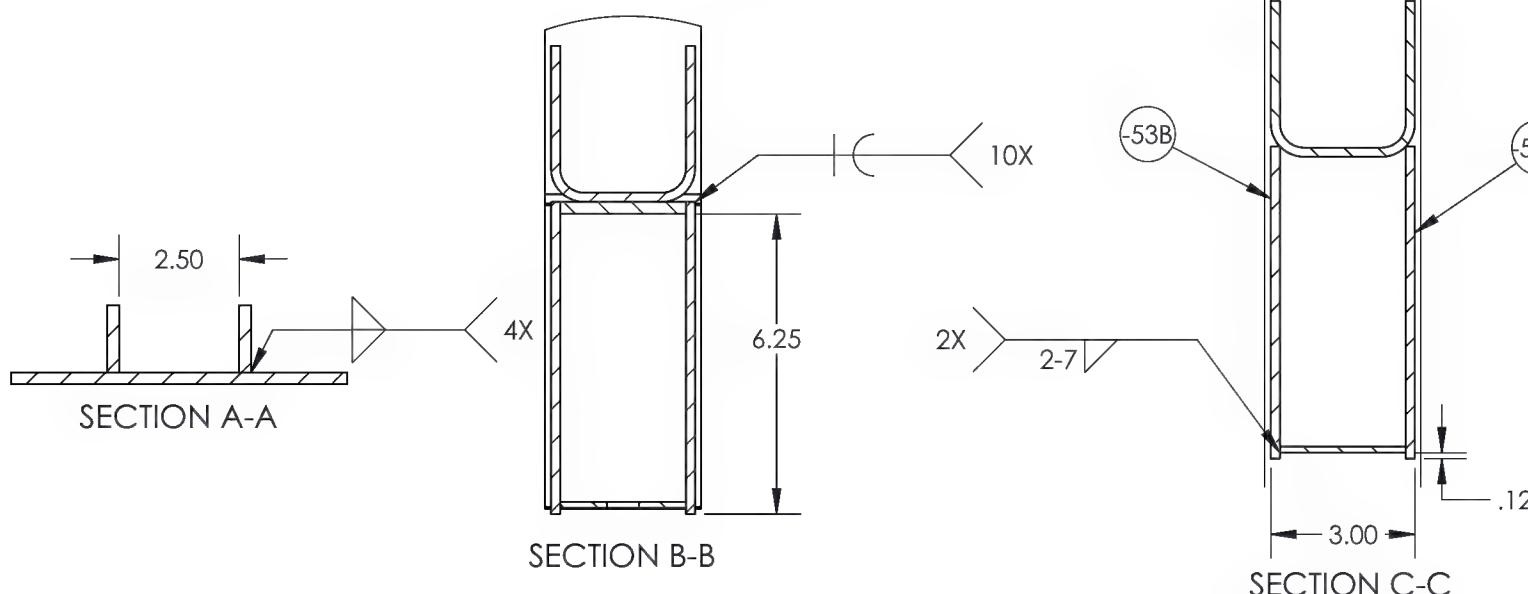
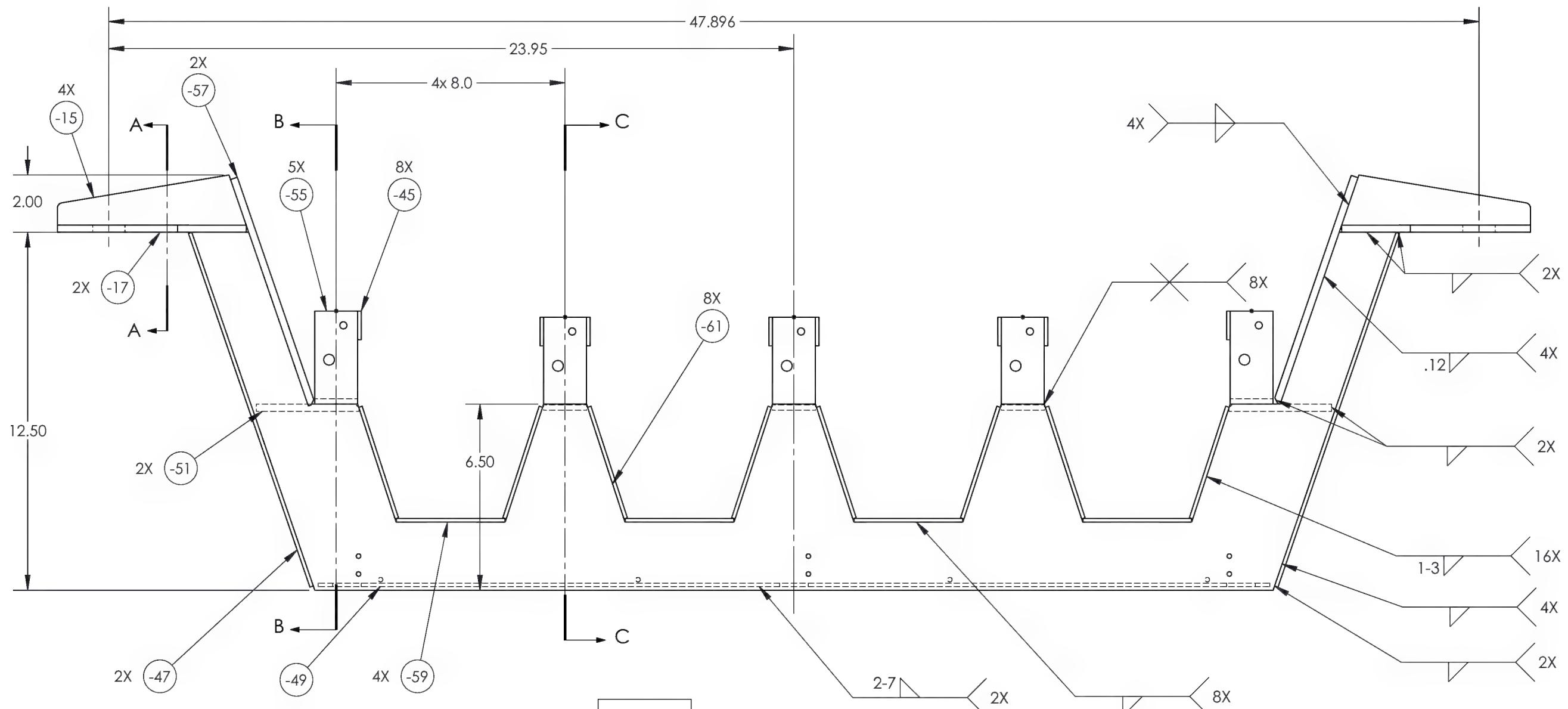


(-4)

PAD

NOTE  
REF: BELL T/N 209-782-028-67.

		RED BARN MACHINE
TITLE CRADLE SET- SUPPORT, MAIN ROTOR BLADE		
DWG NO.	RB T101623-41	REV 2
MATL	NEOPRENE RUBBER, BLACK	DRAWN BY: CLOUGH
	UNLESS OTHERWISE SPECIFIED	APPROVED <i>D Weil</i>
	DIMENSIONS ARE IN INCHES	HEAT
.XXX ± .005	FRACTIONS ± 1/32	TREAT
.XX ± .01	ANGLES ± 5°	FINISH
.X ± .1		SPEC
1. BREAK ALL SHARP EDGES .015 x 45°		USED ON MODEL
OR .015R		BELL 204, 205, 212, 214
2. DIMENSIONAL LIMITS APPLY AFTER		
PLATING		
SCALE	1:1	DATE 2/20/2013
		SHEET 26 OF 54

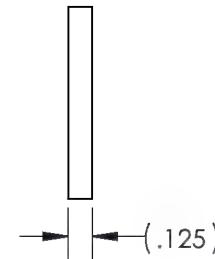
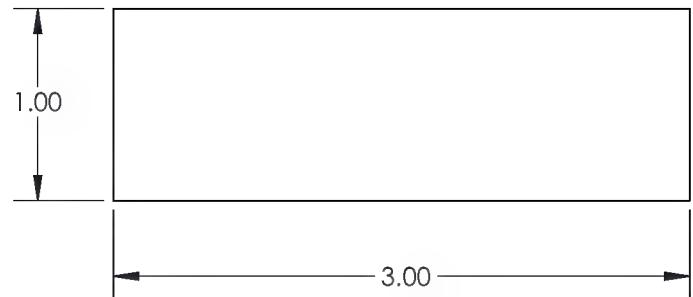
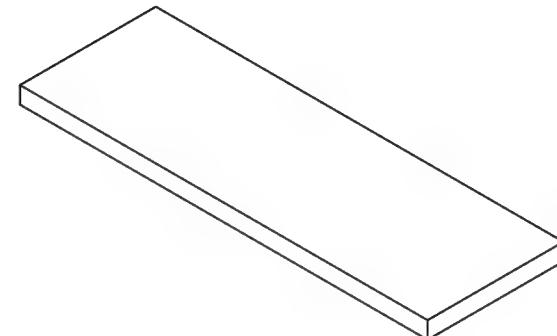


NOTE:  
1. REF. BELL P/N: 209-782-028-7.

RED BARN MACHINE	
TITLE CRADLE SET- SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-43
MAT'L	DRAWN BY: MARPET
UNLESS OTHERWISE SPECIFIED .XXX ± .005 .XX ± .01 .X ± .1	APPROVED D. Weil
FRACTIONS ± 1/32 ANGLES ± .5°	HEAT TREAT FINISH POWDER COAT YELLOW
SPEC FED #13538	USED ON MODEL
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL 204, 205, 212, 214
SCALE 1:4	DATE 2/22/2013
	SHEET 27 OF 54

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED



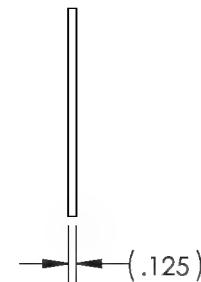
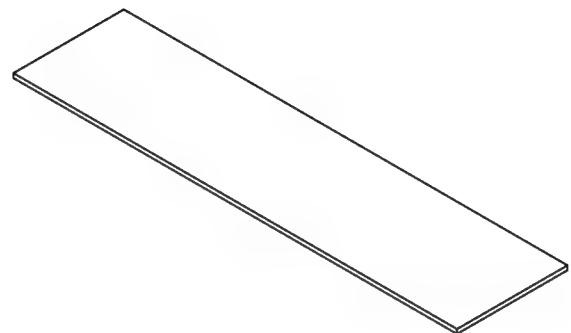
(-45)  
SUPPORT

NOTE  
REF: BELL T/N 209-782-028-13.

RED BARN MACHINE	
TITLE	CRADLE SET- SUPPORT, MAIN ROTOR BLADE
DWG NO.	RB T101623-45
MATL	A36 P & O
UNLESS OTHERWISE SPECIFIED	DRAWN BY: CLOUGH
DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	HEAT TREAT
.X ± .1	FINISH SEE -43 WELDMENT
1. BREAK ALL SHARP EDGES .015 x 45°	SPEC
OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL 204, 205, 212, 214
SCALE	1:1
DATE	2/20/2013
SHEET 28 OF 54	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED



-47

CLOSURE

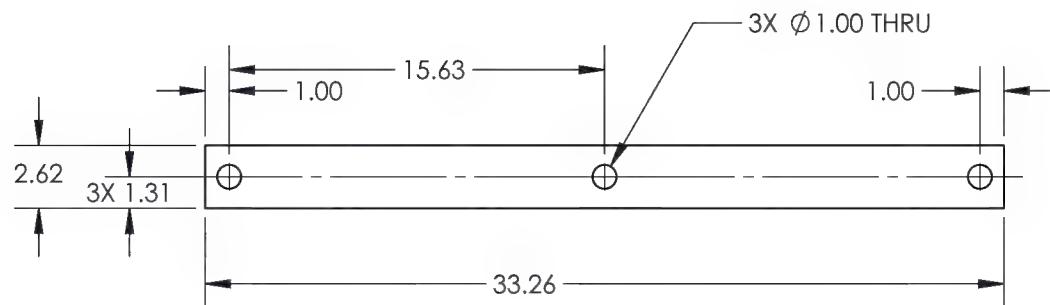
NOTE  
REF: BELL T/N 209-782-028-15.

RED BARN MACHINE	
TITLE CRADLE SET- SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-47
MATL	A36 P&O
DRAWN BY: CLOUGH	
APPROVED <i>D Weil</i>	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± .5°	
.X ± .1	
HEAT TREAT FINISH SEE -43 WELDMENT	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SPEC	USED ON MODEL
BELL 204, 205, 212, 214	
SCALE	1:3
DATE	2/22/2013
SHEET 29 OF 54	

2

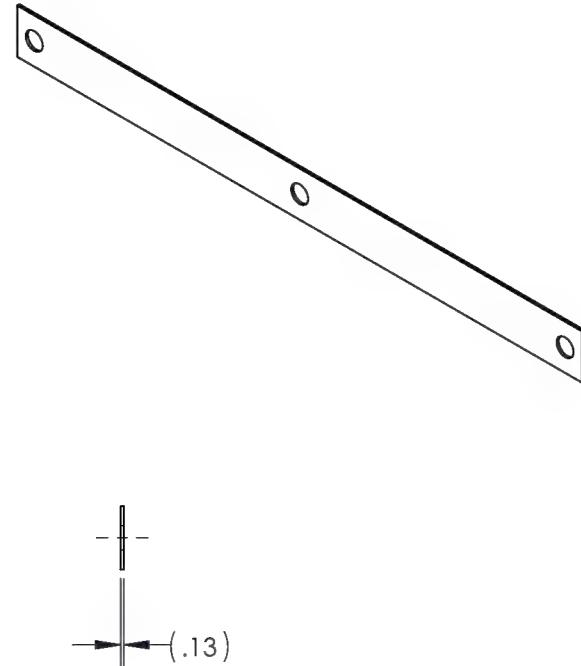
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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	CH'D DIMENSION FROM 15.60 TO 15.63 TO MAKE SYMMETRICAL	7/29/2013	JAG	



LOWER CLOSURE

(-49)

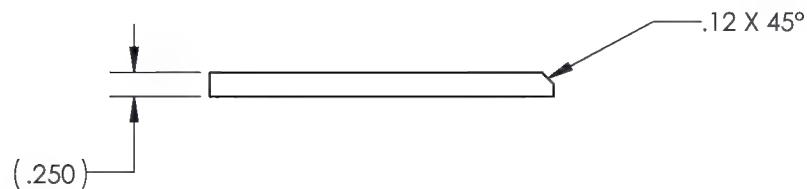
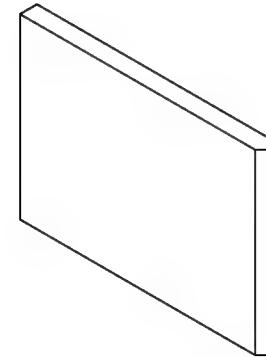
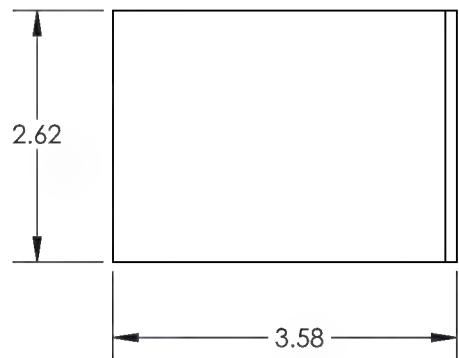


NOTE  
REF: BELL T/N 209-782-028-19.

RED BARN MACHINE	
TITLE CRADLE SET- SUPPORT, MAIN ROTOR BLADE	
DWG NO. RB T101623-49	
MATL A36 P&O	DRAWN BY: MARPET
UNLESS OTHERWISE SPECIFIED APPROVED <i>D Weil</i>	
DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	
HEAT TREAT	
FINISH SEE -43 WELDMENT	
SPEC	
USED ON MODEL	
BELL 204, 205, 212, 214	
SCALE 1:8	DATE 2/20/2013
SHEET 30 OF 54	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED



(-51)

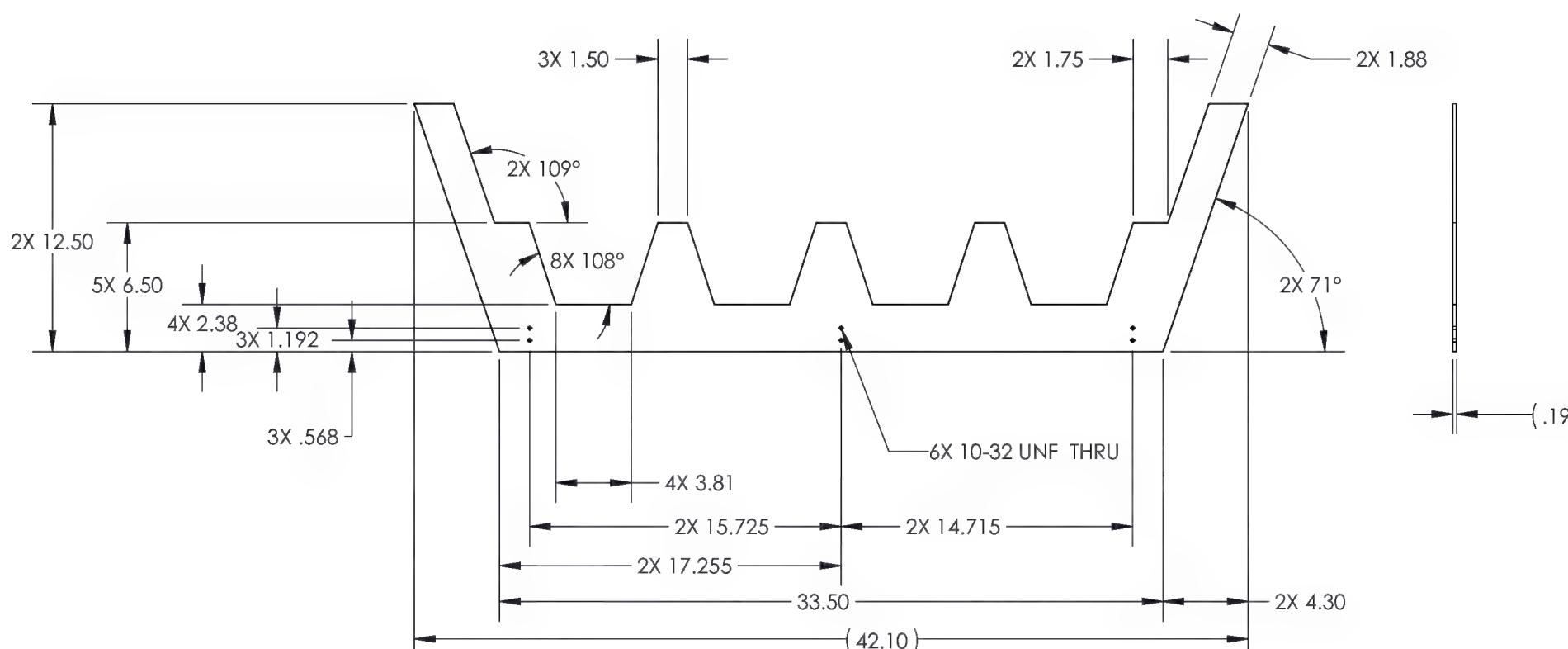
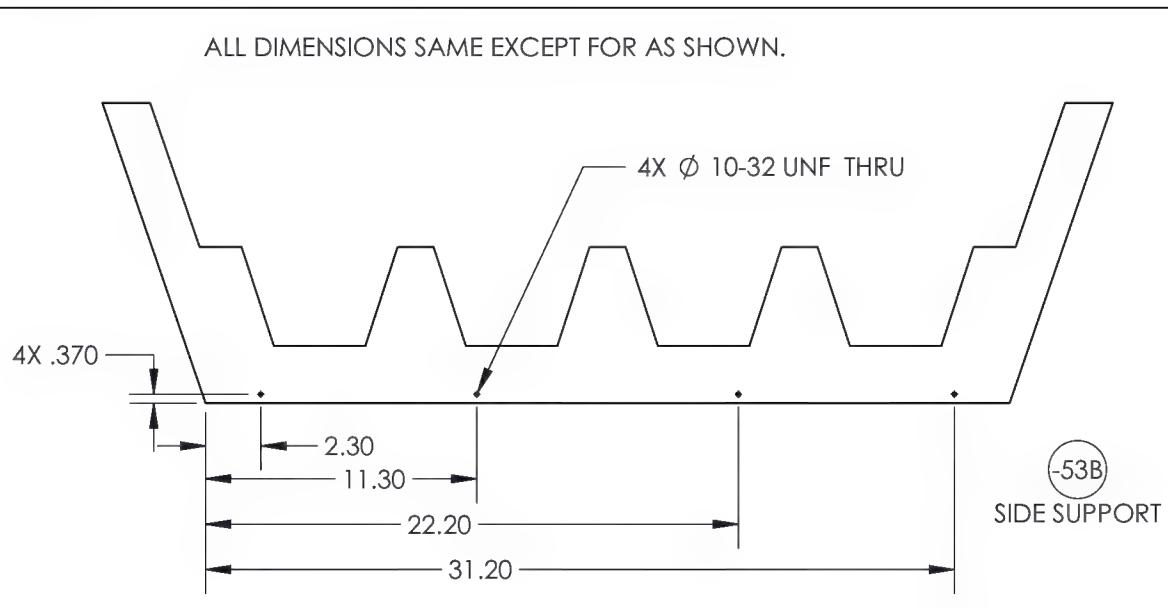
GUSSET

NOTE  
REF: BELL T/N 209-782-028-35.

RED BARN MACHINE	
TITLE CRADLE SET- SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-51
MATL	A36 P&O
DRAWN BY: MARPET	
APPROVED <i>D Weil</i>	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± .5°	
.X ± .1	
HEAT TREAT FINISH SEE -43 WELDMENT	
SPEC	
USED ON MODEL	
BELL 204, 205, 212, 214	
SCALE	1:2
DATE	2/21/2013
SHEET 31 OF 54	

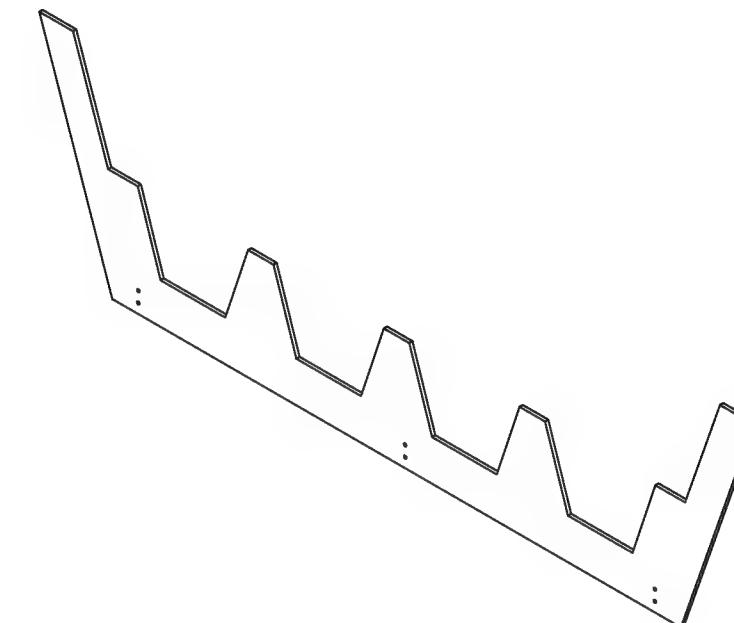
REV  
2

ALL DIMENSIONS SAME EXCEPT FOR AS SHOWN.



-53A

SIDE SUPPORT

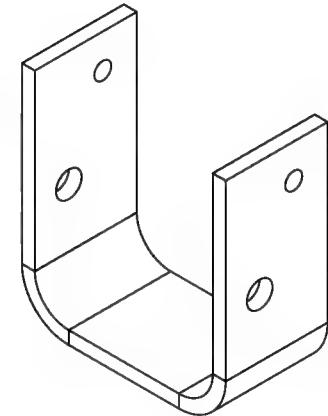
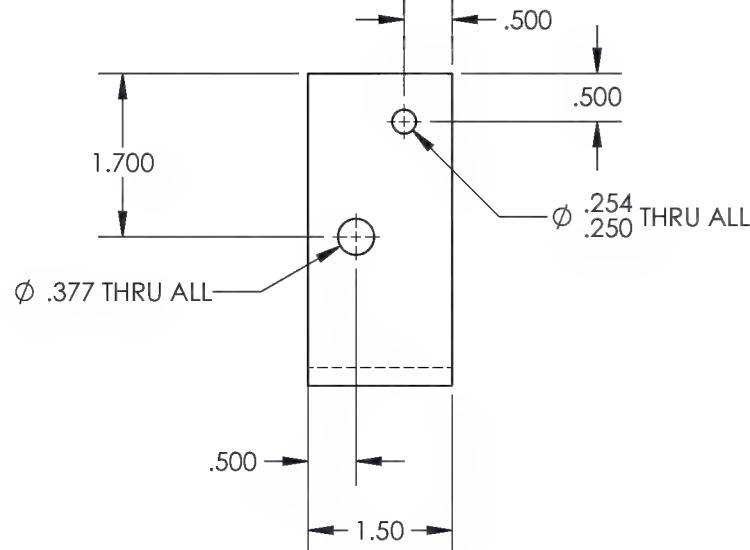
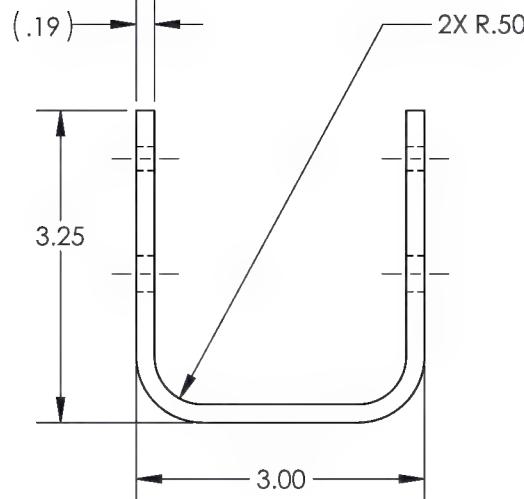


NOTE  
REF: BELL T/N 209-782-028-41.

<b>RB RED BARN MACHINE</b>	
TITLE	CRADLE SET- SUPPORT, MAIN ROTOR BLADE
DWG NO.	RB T101623-53A & B
REV	2
MAT'L A36 P&O	DRAWN BY: MARPET
UNLESS OTHERWISE SPECIFIED	APPROVED D. Weil
DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	FINISH SEE -43 WELDMENT
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	BELL 204, 205, 212, 214
SCALE 1:8	DATE 2/20/2013
	SHEET 32 OF 54

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	-55 ADDED $\phi$ .377 AND $\phi$ .250-.254 HOLES AND NOTE 2 TO BE DRILLED AFTER BENDING.	4/29/2013	BIM	GE



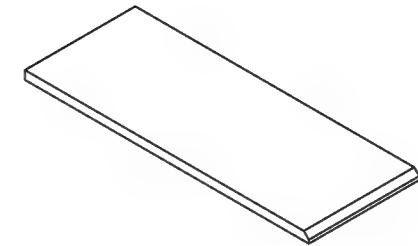
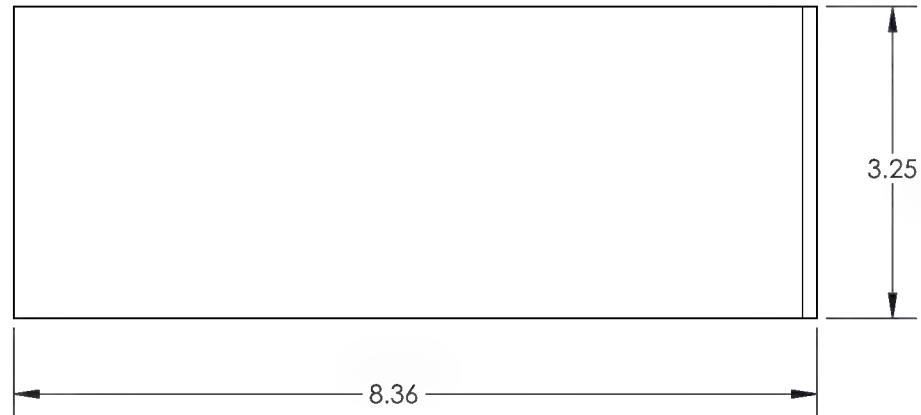
(-55)  
SUPPORT

NOTE:  
1. REF. BELL P/N 209-782-028-45.  
2. ALL HOLES TO BE DRILLED AFTER BENDING.

RED BARN MACHINE	
TITLE: CRADLE SET- SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-55
MATL	A36 P&O
DRAWN BY: MARPET	
APPROVED <i>D Weil</i>	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± .5°	
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SPEC	HEAT TREAT FINISH SEE -43 WELDMENT
USED ON MODEL	BELL 204, 205, 212, 214
SCALE 1:2	DATE 2/19/2013
SHEET 33 OF 54	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED



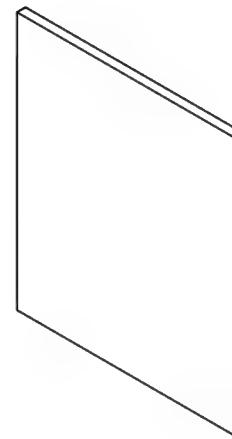
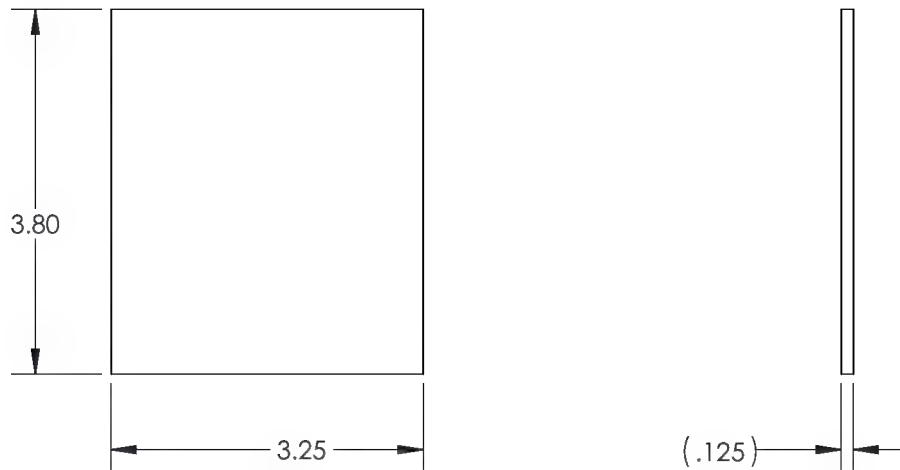
STIFFENER

NOTE  
REF: BELL T/N 209-782-028-47.

RED BARN MACHINE	
TITLE	CRADLE SET- SUPPORT, MAIN ROTOR BLADE
DWG NO.	RB T101623-57
MATL	A36 P&O
UNLESS OTHERWISE SPECIFIED	DRAWN BY: CLOUGH
DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± 5°
.X ± .1	HEAT TREAT FINISH SEE -43 WELDMENT
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	BELL 204, 205, 212, 214
SCALE	1:2
DATE	2/22/2013
SHEET 34 OF 54	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED



-59

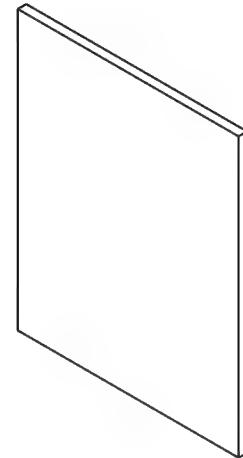
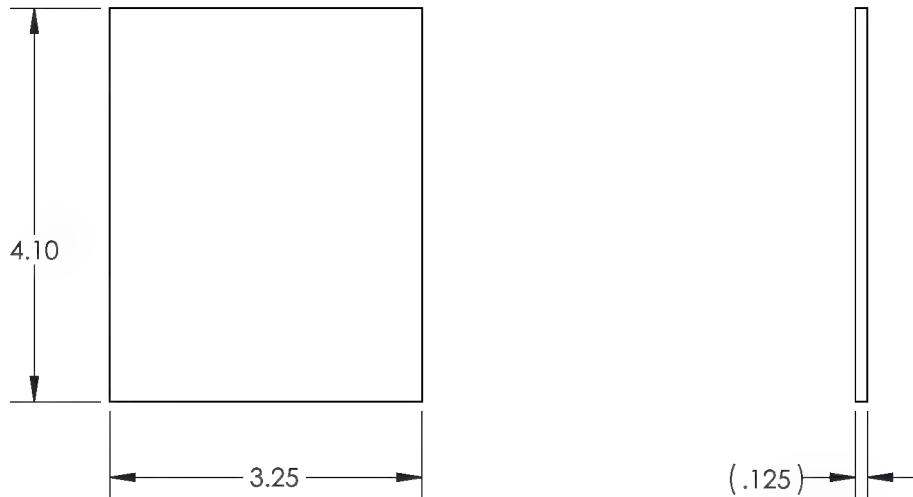
STIFFENER

NOTE  
REF: BELL T/N 209-782-028-51.

	<b>RED BARN MACHINE</b>	
TITLE	<b>CRADLE SET- SUPPORT, MAIN ROTOR BLADE</b>	
DWG NO.	<b>RB T101623-59</b>	REV <b>2</b>
MATL	A36 P&O	DRAWN BY: MARPET
UNLESS OTHERWISE SPECIFIED		
DIMENSIONS ARE IN INCHES		
.XXX ± .005	FRACTIONS ± 1/32	HEAT
.XX ± .01		TREAT
.X ± .1	ANGLES ± .5°	FINISH SEE -43 WELDMENT
SPEC		
USED ON MODEL		
BELL 204, 205, 212, 214		
SCALE	1:2	DATE 2/20/2013
		SHEET 35 OF 54

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED



-61

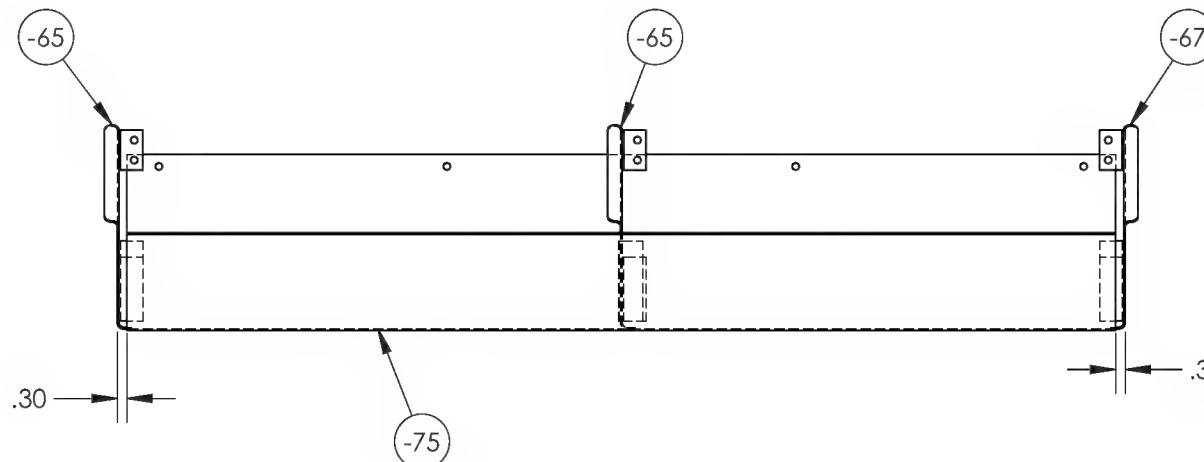
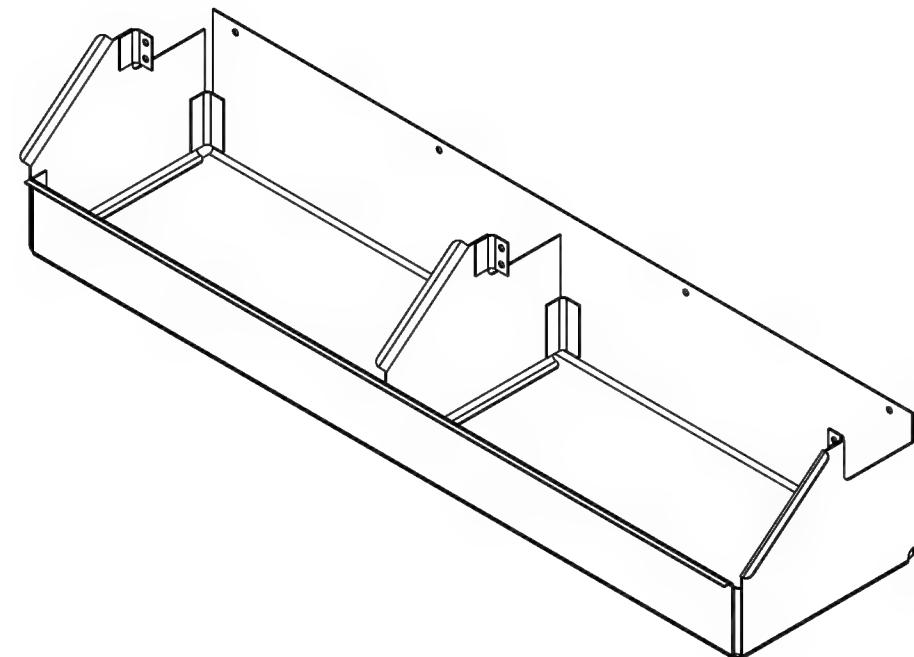
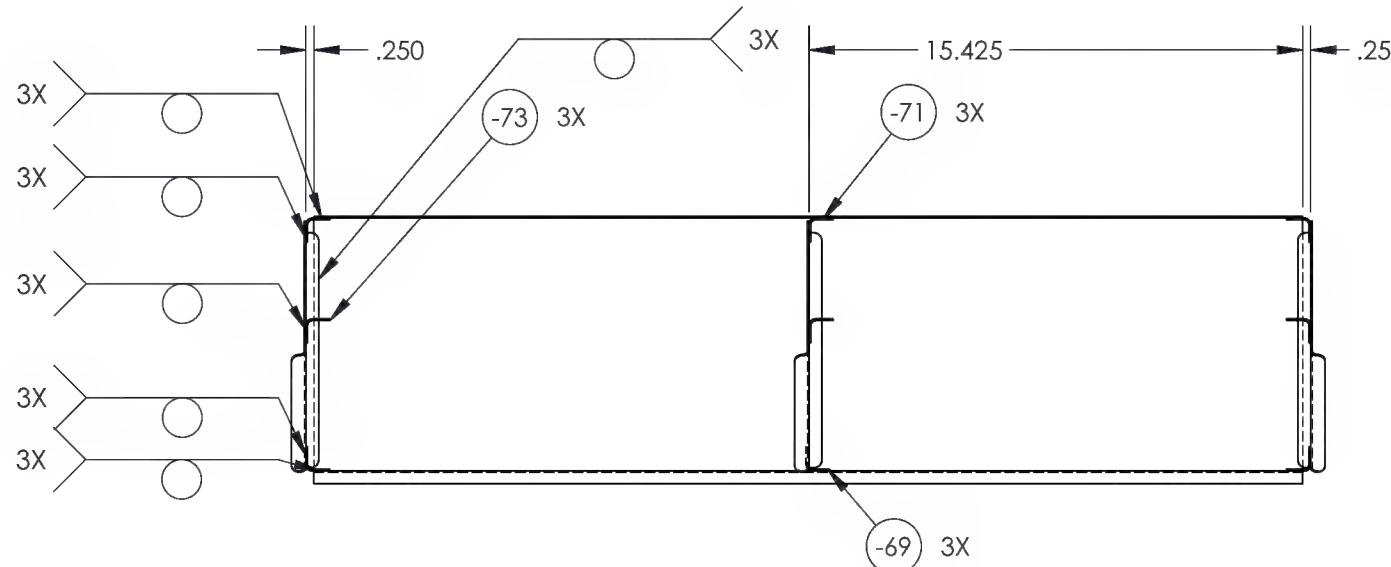
STIFFENER

NOTE  
REF: BELL T/N 209-782-028-53.

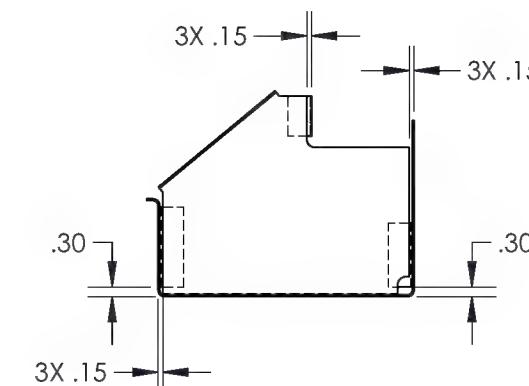
RED BARN MACHINE	
TITLE CRADLE SET- SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-61
MATL	A36 P&O
DRAWN BY: MARPET	
APPROVED <i>D Weil</i>	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± .5°	
.X ± .1	
HEAT TREAT FINISH SEE -43 WELDMENT	
SPEC	
USED ON MODEL	
BELL 204, 205, 212, 214	
SCALE	1:2
DATE	2/20/2013
SHEET 36 OF 54	

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REV		DESCRIPTION	DATE	INITIAL APPROVED
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(-63)  
STRAP STOWAGE ASSY.

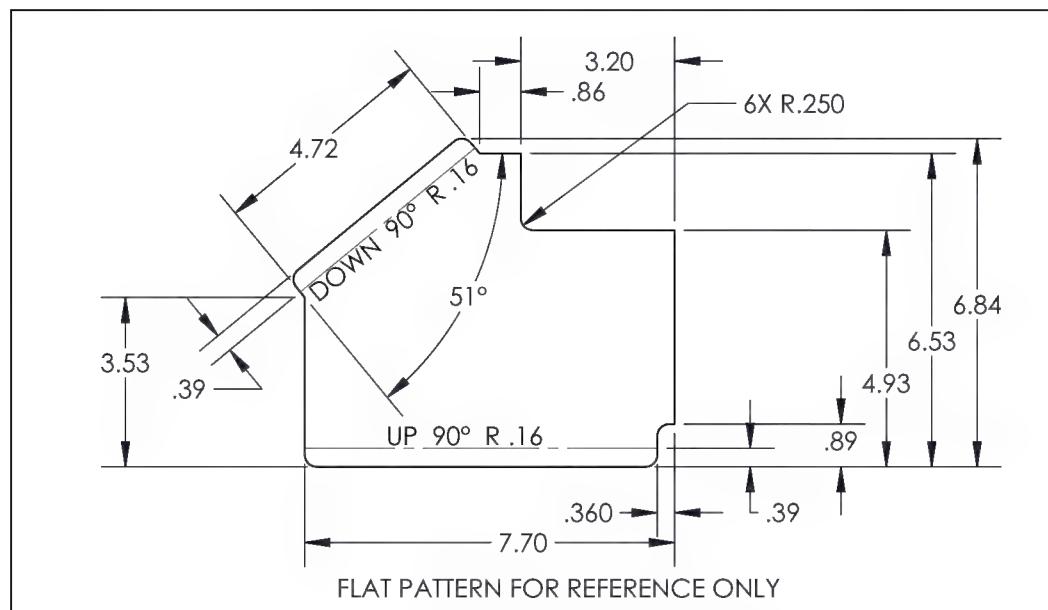
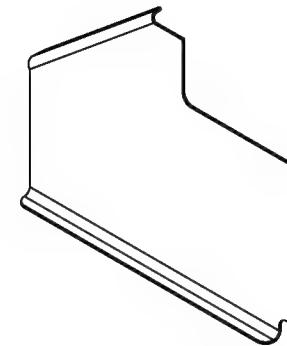
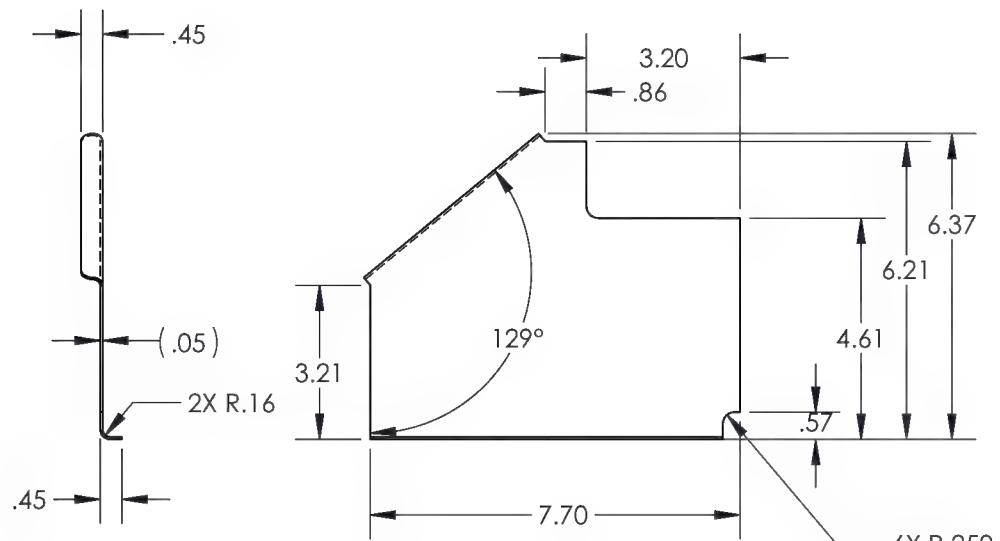


NOTE:  
 1. REF. BELL P/N 209-782-028-11.  
 2. FABRICATOR TO FORM AND SPOT WELD AS REQUIRED, MAY OMIT -69, -71, -73 CLIPS TO ACHIEVE FORM DEFINED BY DIMENSIONS.

RED BARN MACHINE	
TITLE	CRADLE SET- SUPPORT, MAIN ROTOR BLADE
DWG NO.	RB T101623-63
REV	2
MAT'L	DRAWN BY: MARPET
UNLESS OTHERWISE SPECIFIED	APPROVED: D. Weil
DIMENSIONS ARE IN INCHES	REAR TREAT
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	FINISH: POWDER COAT YELLOW
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC: FED #13538
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL:
	BELL 204, 205, 212, 214
SCALE	1:6
DATE	2/22/2013
SHEET	37 OF 54

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REV		DESCRIPTION		DATE	INITIAL	APPROVED
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(-65)

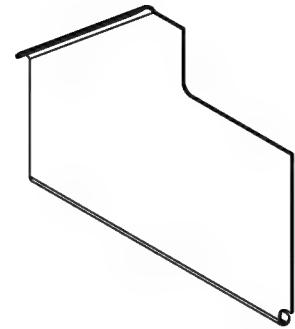
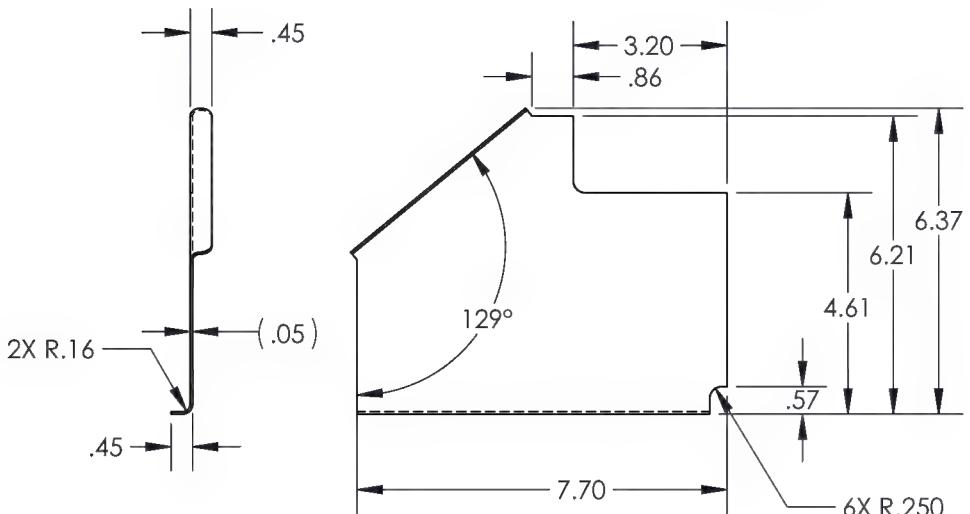
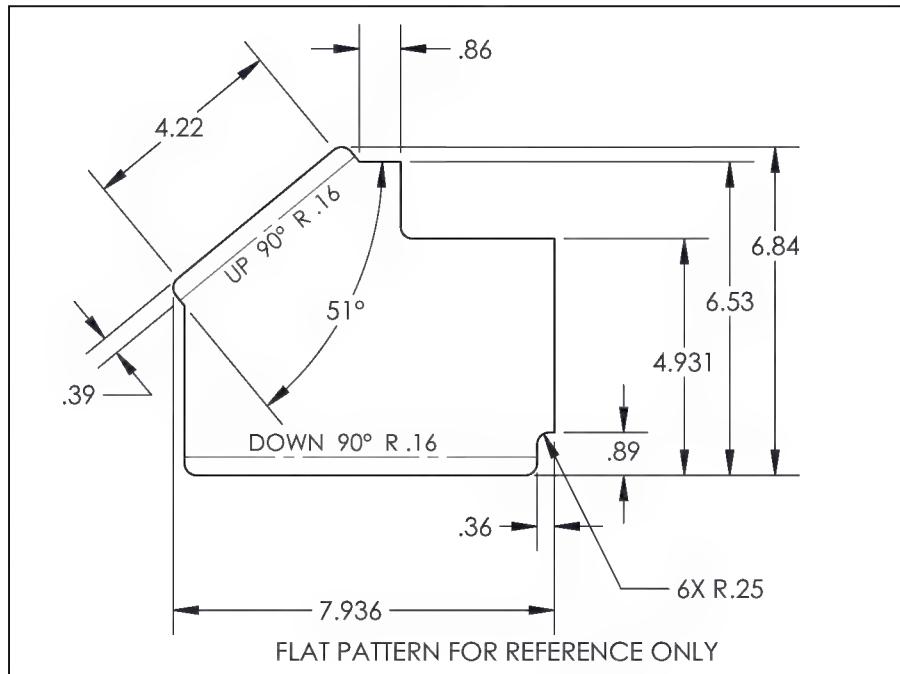
FRAME

NOTE:  
REF. BELL P/N 209-782-028-69.

RB	RED BARN MACHINE	
TITLE		CRADLE SET-SUPPORT, MAIN ROTOR BLADE
DWG NO.	RB T101623-65	
MATL	A36 P&O	DRAWN BY: MARPET
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
.XXX ± .005	FRACTIONS ± 1/32	APPROVED <i>D Weil</i>
.XX ± .01	ANGLES ± .5°	HEAT TREAT FINISH SEE -63 WELDMENT
X ± .1		SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
SCALE	1:4	DATE 3/1/2013
BELL 204, 205, 212, 214		
SHEET 38 OF 54		

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REV		DESCRIPTION	DATE	INITIAL	APPROVED
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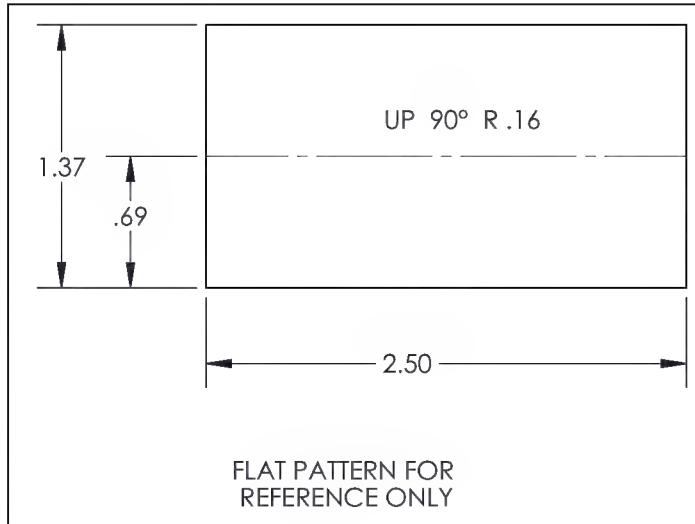
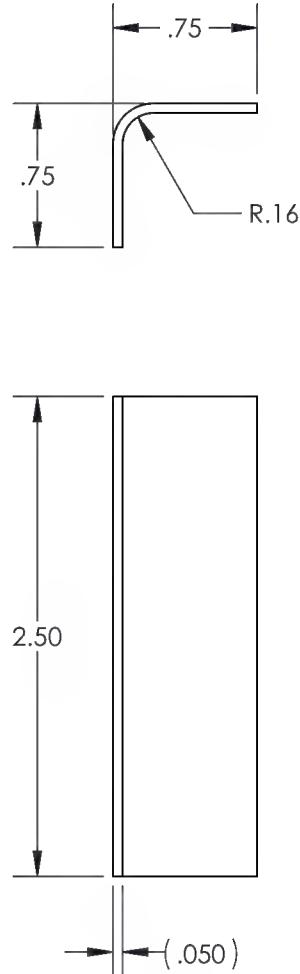


NOTE  
REF: BELL T/N 209-782-028-70.

<b>RB RED BARN MACHINE</b>	
TITLE CRADLE SET- SUPPORT, MAIN ROTOR BLADE	
DWG NO. RB T101623-67 REV 2	
MATL A36 P&O	DRAWN BY: MARPET
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
X ± .1	
HEAT TREAT FINISH SEE -63 WELDMENT	
SPEC	
USED ON MODEL	
BELL 204,205,212,214	
SCALE 1:4	DATE 2/19/2013
SHEET 39 OF 54	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED

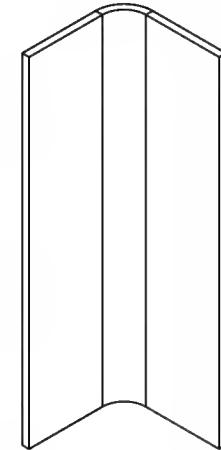


-69

CLIP

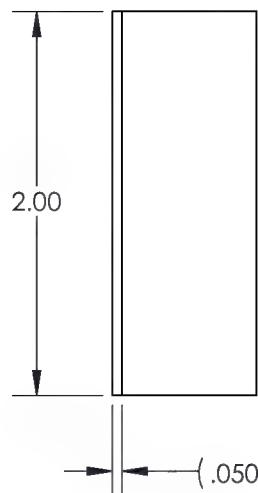
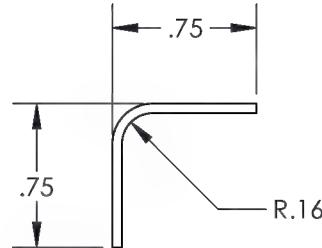
NOTE  
REF: BELL T/N 209-782-028-71.

RED BARN MACHINE	
TITLE CRADLE SET- SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-69
MATL	A36 P&O
DRAWN BY: MARPET	
APPROVED <i>D Weil</i>	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
XX ± .01 ANGLES ± .5°	
X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45°	
OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SPEC	
HEAT TREAT FINISH SEE -63 WELDMENT	
USED ON MODEL	
BELL 204, 205, 212, 214	
SCALE	1:1
DATE	2/19/2013
SHEET 40 OF 54	



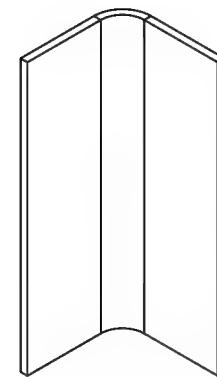
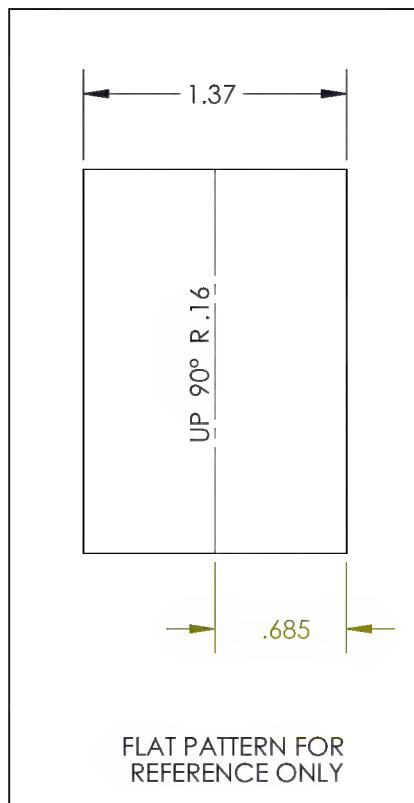
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REV	DESCRIPTION	DATE	INITIAL APPROVED



(-71)

CLIP

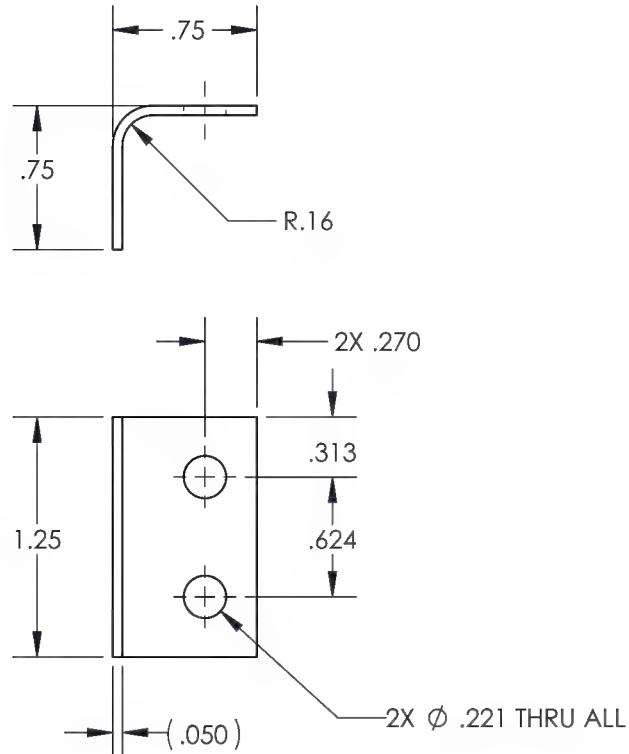


NOTE  
REF: BELL T/N 209-782-028-73.

RED BARN MACHINE	
TITLE CRADLE SET- SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-71
MATL	A36 P&O
DRAWN BY: MARPET	
APPROVED <i>D Weil</i>	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± .5°	
X ± .1	
HEAT TREAT FINISH	
SPEC MIL-S-18729	
USED ON MODEL	
BELL 204, 205, 212, 214	
SCALE	1:1
DATE	2/19/2013
SHEET 41 OF 54	

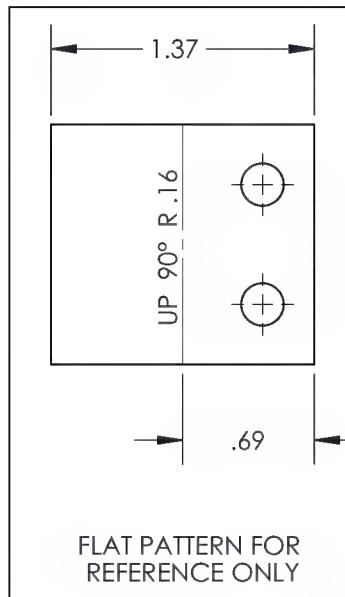
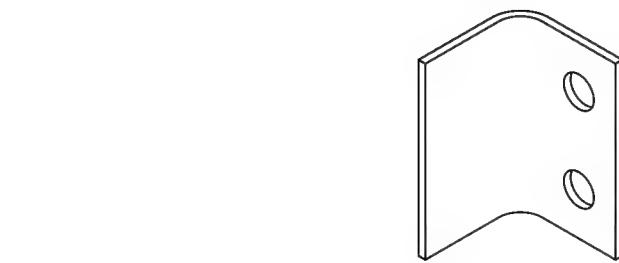
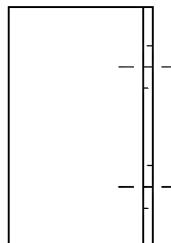
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REV		DESCRIPTION		DATE	INITIAL	APPROVED
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(-73)

CLIP



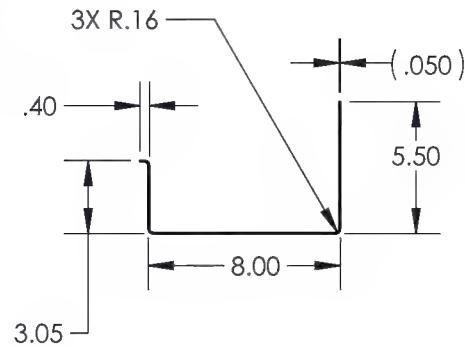
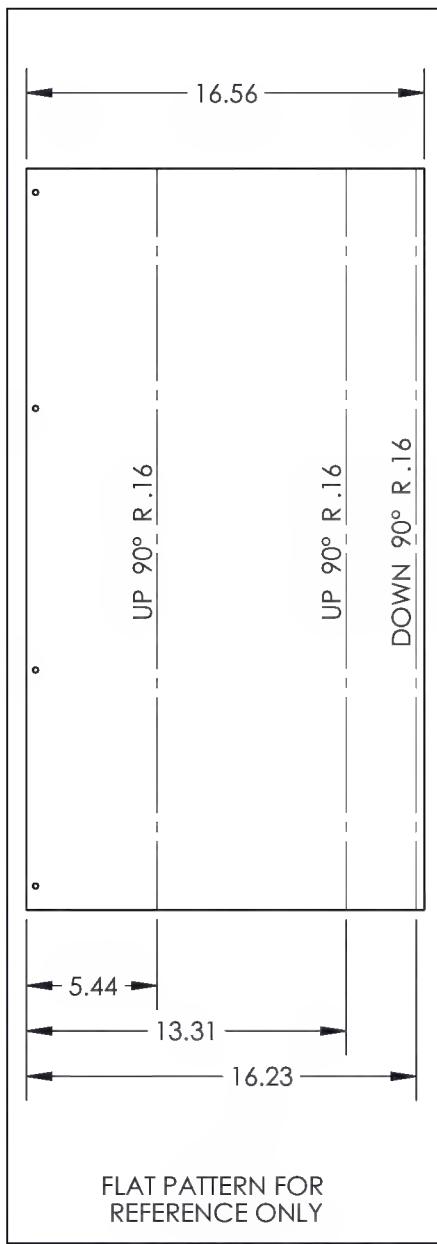
FLAT PATTERN FOR  
REFERENCE ONLY

NOTE  
REF: BELL T/N 209-782-028-75.

RED BARN MACHINE	
TITLE	CRADLE SET- SUPPORT, MAIN ROTOR BLADE
DWG NO.	RB T101623-73
MATL	A36 P&O
DRAWN BY: MARPET	
APPROVED <i>D Weil</i>	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45°	
OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER	
PLATING	
SPEC	
USED ON MODEL	
BELL 204, 205, 212, 214	
SCALE	1:1
DATE	2/19/2013
SHEET 42 OF 54	

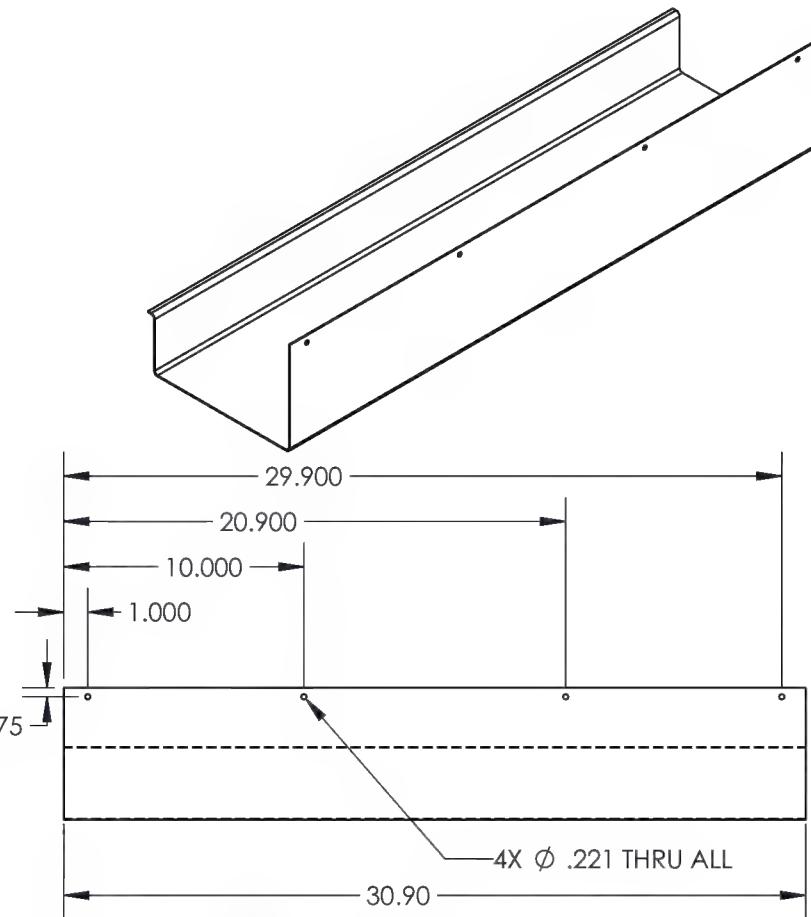
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REV		DESCRIPTION		DATE	INITIAL	APPROVED
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(-75)

SKIN



NOTE  
REF: BELL T/N 209-782-028-77.

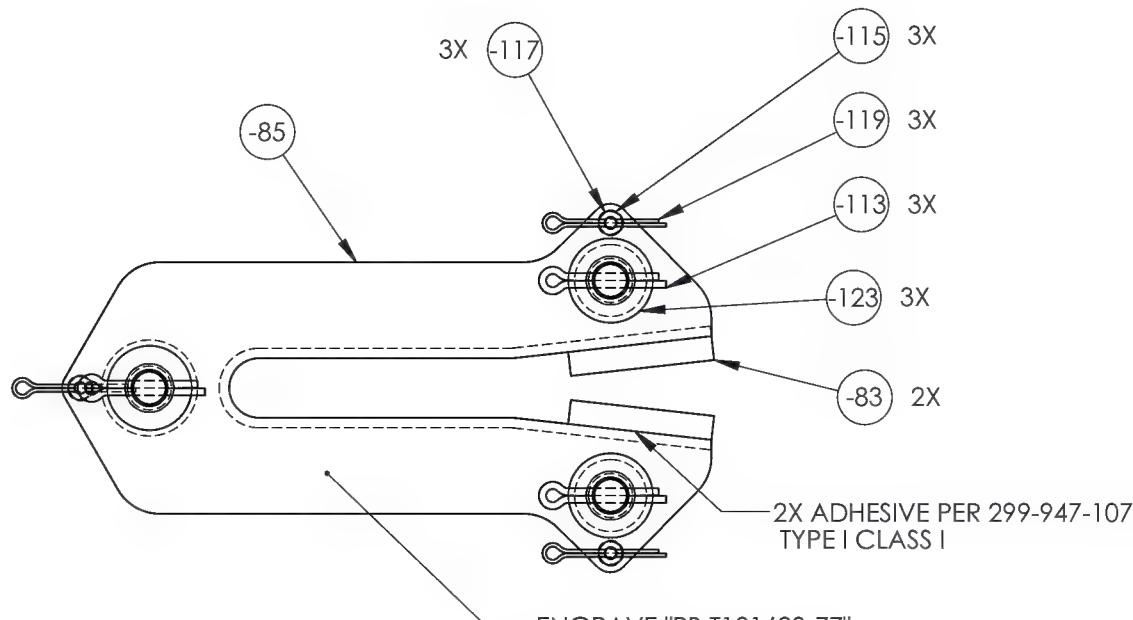
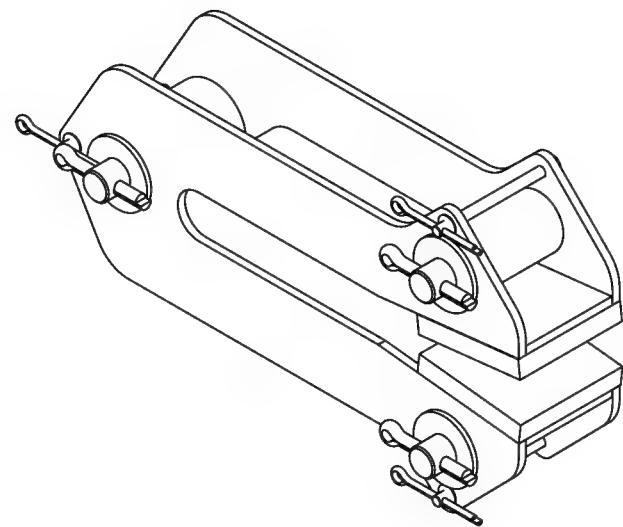
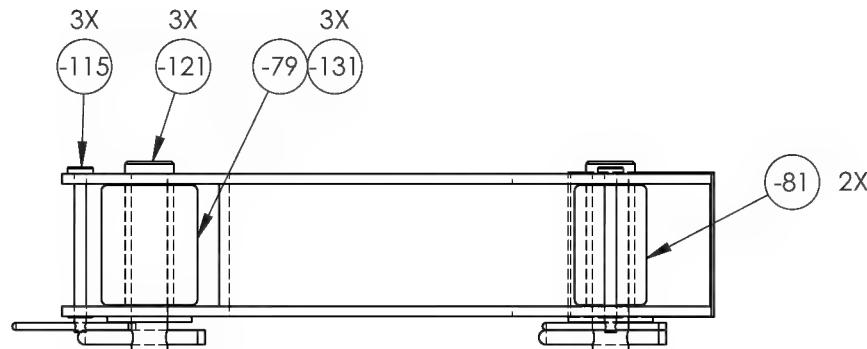
<b>RB</b>	<b>RED BARN MACHINE</b>
<b>TITLE</b>	<b>CRADLE SET- SUPPORT, MAIN ROTOR BLADE</b>
<b>DWG NO.</b>	<b>RB T101623-75</b>
<b>MATL</b>	<b>A36 P&amp;O</b>
<b>UNLESS OTHERWISE SPECIFIED</b>	<b>DIMENSIONS ARE IN INCHES</b>
<b>.XXX ± .005</b>	<b>FRACTIONS ± 1/32</b>
<b>.XX ± .01</b>	<b>ANGLES ± .5°</b>
<b>X ± .1</b>	
<b>1. BREAK ALL SHARP EDGES .015 x 45°</b>	<b>OR .015R</b>
<b>2. DIMENSIONAL LIMITS APPLY AFTER</b>	<b>PLATING</b>
<b>SPEC</b>	
<b>HEAT TREAT</b>	
<b>FINISH</b>	<b>SEE -63 WELDMENT</b>
<b>USED ON MODEL</b>	
<b>BELL 204, 205, 212, 214</b>	
<b>SCALE</b>	<b>1:8</b>
<b>DATE</b>	<b>2/19/2013</b>
<b>SHEET</b>	<b>43 OF 54</b>

2

D Weil

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REV		DESCRIPTION	DATE	INITIAL	APPROVED
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(-77)

CHOCK

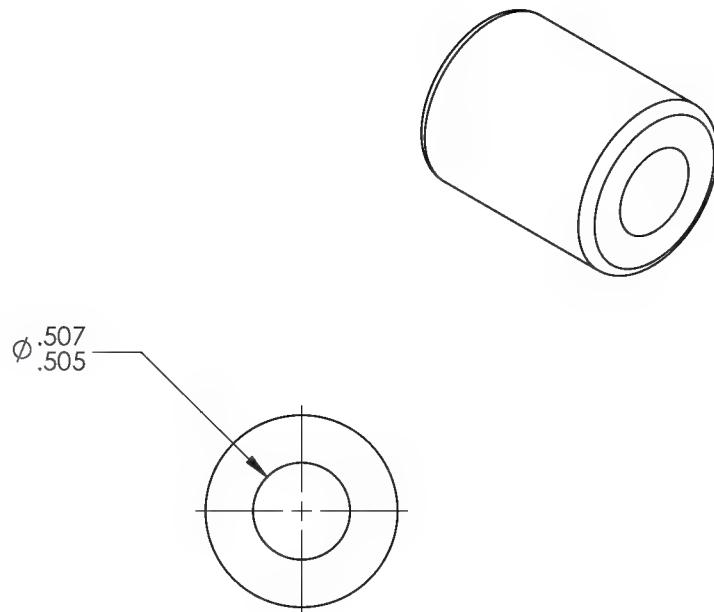
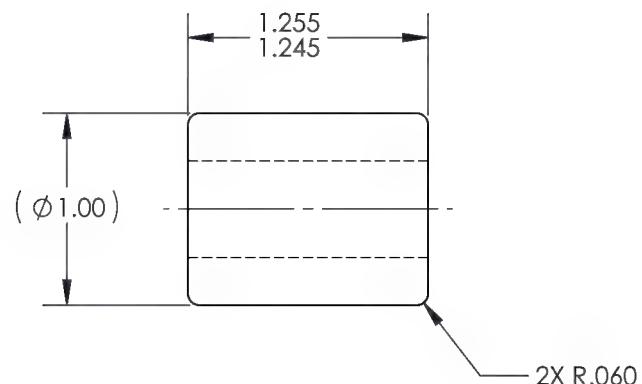
NOTE:

1. REF: BELL P/N 209-782-030.
2. HOLES IN -3 MUST BE ALIGNED FOR WELDING.

		RED BARN MACHINE	
TITLE		CRADLE SET-SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-77		REV <b>2</b>
MATL	DRAWN BY: GILBERT <i>D Weil</i>		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
.XXX ± .010 FRACTIONS ± 1/32 .XX ± .03 ANGLES ± 1° .X ± .1			
HEAT TREAT FINISH			
SPEC			
USED ON MODEL			
BELL 204, 205, 212, 214			
SCALE	1:2	DATE	1/24/2013
SHEET 44 OF 54			

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED



NOTE  
REF: BELL T/N 209-782-028-57.

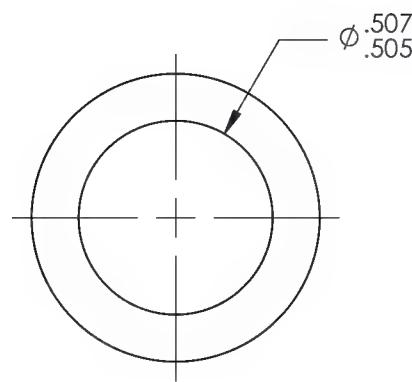
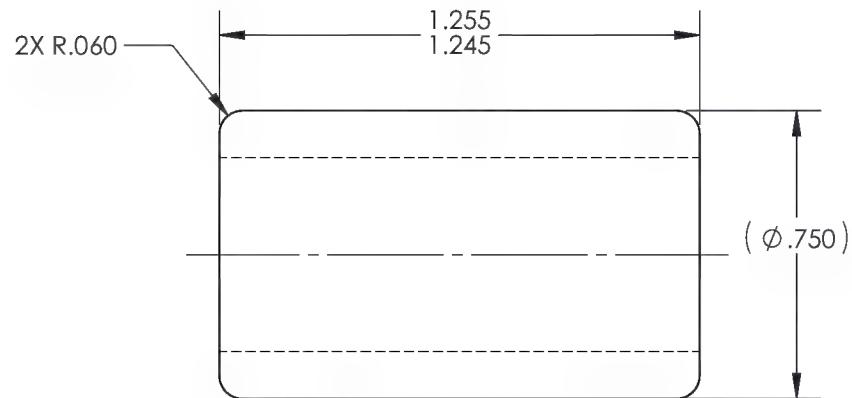
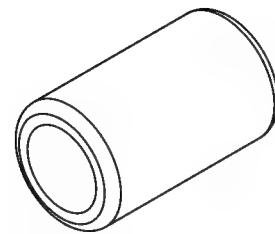
(-79)

ROLLER

RED BARN MACHINE	
TITLE	CRADLE SET- SUPPORT, MAIN ROTOR BLADE
DWG NO.	RB T101623-79
MATL	CRES 3032
DRAWN BY: MARPET	
APPROVED <i>D Weil</i>	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± 5°	
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45°	
OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE	1:1
DATE	2/20/2013
SHEET 45 OF 54	

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REV				DESCRIPTION	DATE	INITIAL	APPROVED
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(-81)

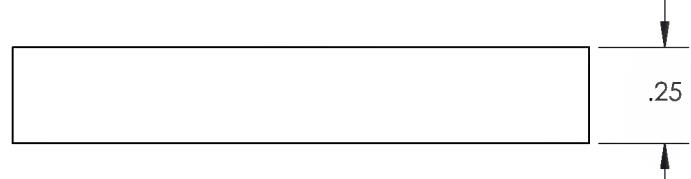
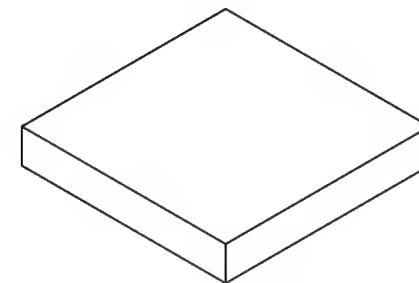
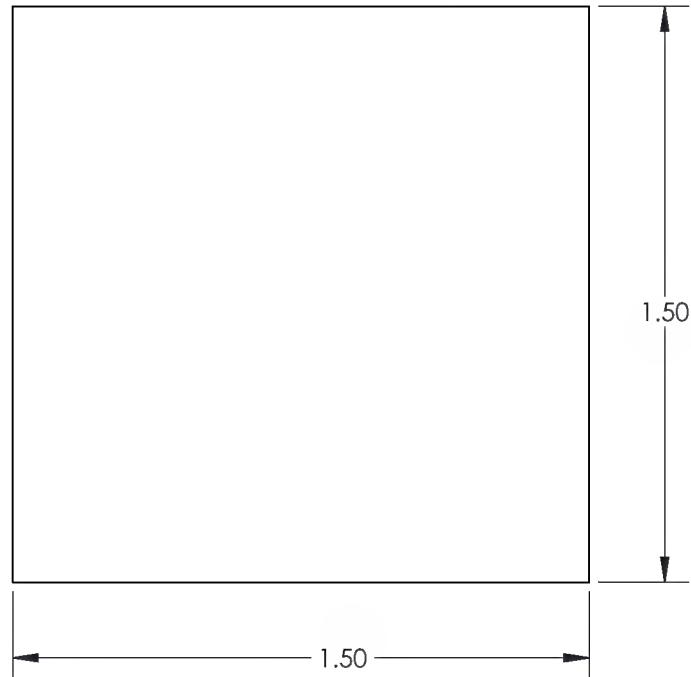
ROLLER

NOTE  
REF: BELL T/N 209-782-028-59.

		RED BARN MACHINE	
TITLE		CRADLE SET- SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-81	REV	2
MATL	CRES 3035	DRAWN BY:	MARPET
	UNLESS OTHERWISE SPECIFIED	APPROVED	<i>D Weil</i>
	DIMENSIONS ARE IN INCHES	HEAT	
.XXX ± .005	FRACTIONS ± 1/32	TREAT	
.XX ± .01	ANGLES ± .5°	FINISH	
.X ± .1		SPEC	
1. BREAK ALL SHARP EDGES .015 x 45°		USED ON MODEL	
OR .015R		BELL 204, 205, 212, 214	
2. DIMENSIONAL LIMITS APPLY AFTER			
PLATING			
SCALE	2:1	DATE	2/20/2013
			SHEET 46 OF 54

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REVIEWS			
REV	DESCRIPTION	DATE	INITIAL APPROVED



-83

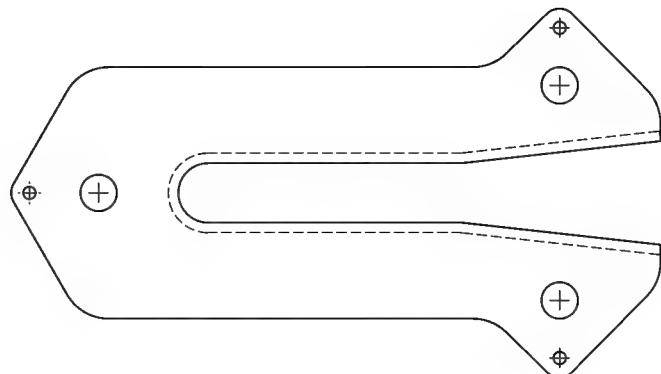
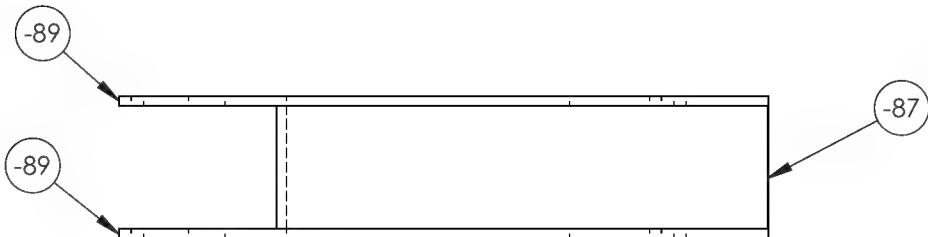
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NOTE  
REF: BELL T/N 209-782-028-61.

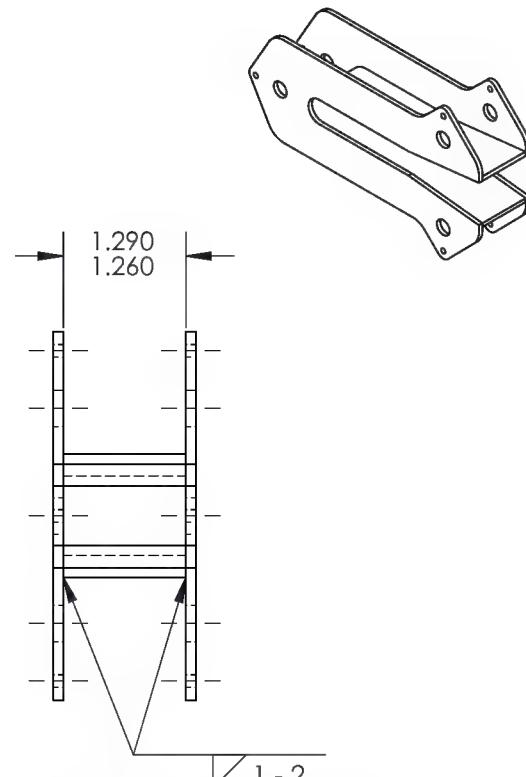
RED BARN MACHINE	
TITLE	CRADLE SET- SUPPORT, MAIN ROTOR BLADE
DWG NO.	RB T101623-83
MATL	POLYURETHANE, BLACK
UNLESS OTHERWISE SPECIFIED	DRAWN BY: CLOUGH
DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	HEAT TREAT
X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45°	SPEC
OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL 204, 205, 212, 214
SCALE	2:1
DATE	2/20/2013
SHEET	47 OF 54

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		REVISIONS		
REV		DESCRIPTION	DATE	INITIAL APPROVED



85  
CHOCK WELDMENT

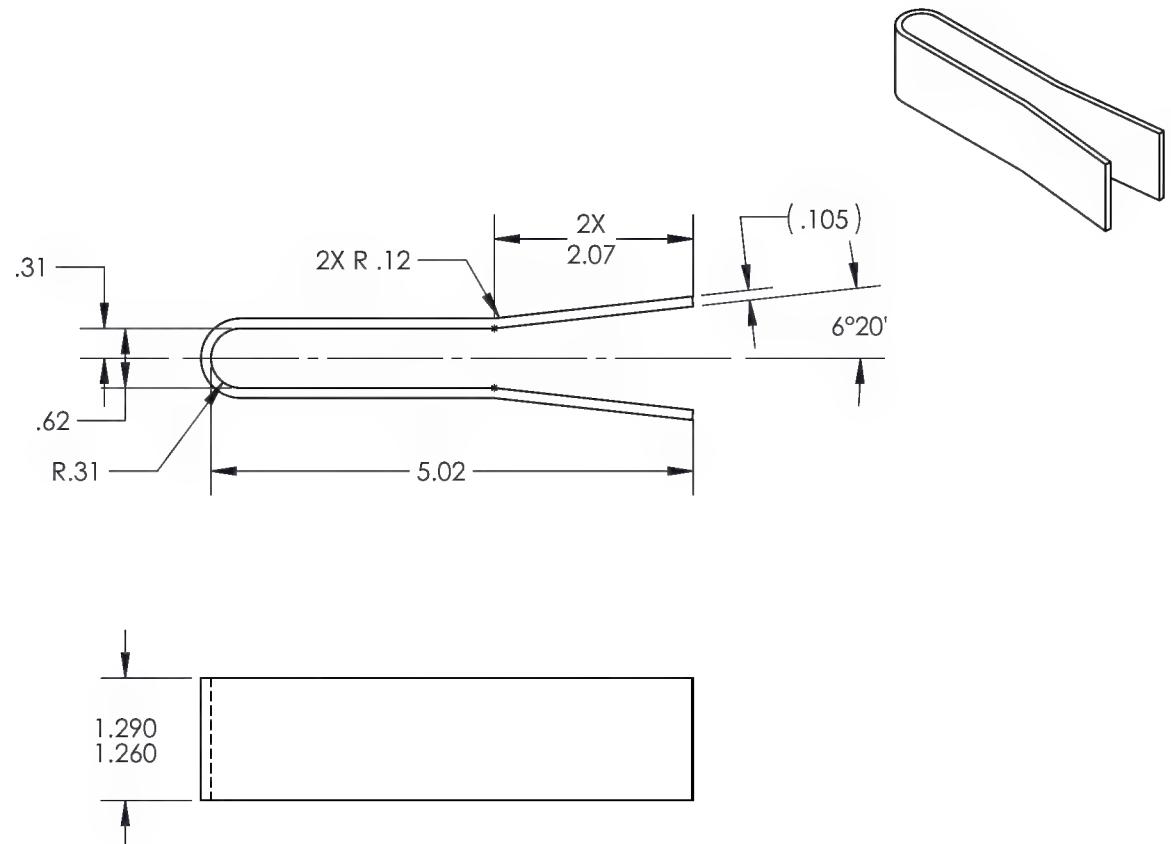
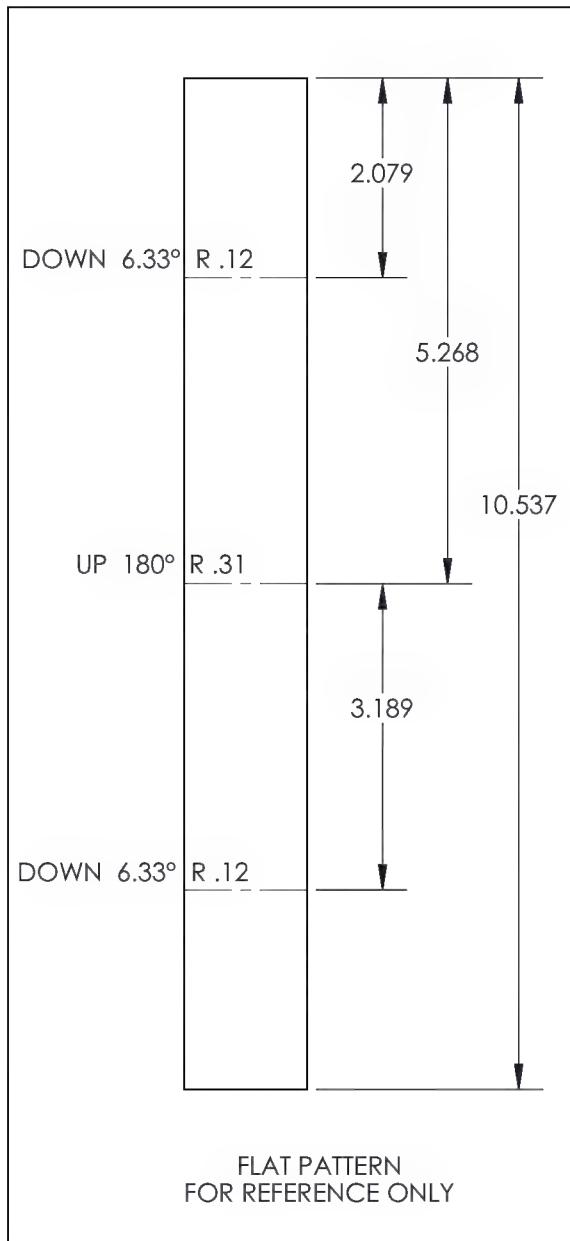


NOTE:  
 1. REF: BELL P/N 209-782-030.  
 2. HOLES IN -89 MUST BE ALIGNED FOR WELDING.

RED BARN MACHINE	
TITLE CRADLE SET-SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-85
MATL	DRAWN BY: CLOUGH APPROVED <i>D Weil</i>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± .5°	
X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SPEC QQ-P-416F, TYPE II, CLASS II	USED ON MODEL
BELL 204, 205, 212, 214	
SCALE 2:1	DATE 2/27/2013
SHEET 48 OF 54	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



NOTE:  
REF. BELL P/N 209-782-030

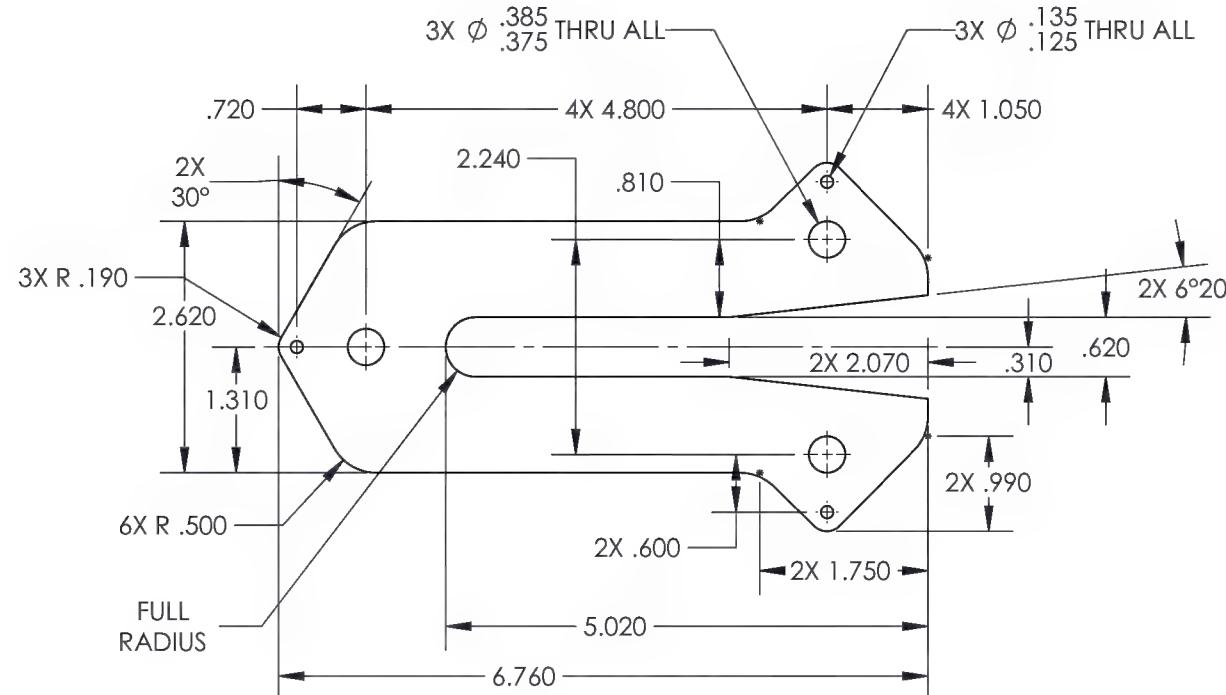
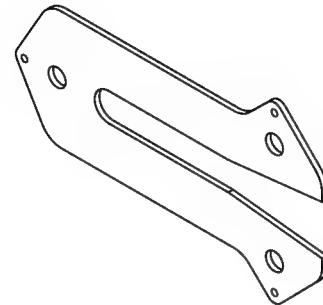
(-87)

BASE

<b>RED BARN MACHINE</b>	
TITLE	CRADLE SET-SUPPORT, MAIN ROTOR BLADE
DWG NO.	RB T101623-87
MATL	HR P & O
	DRAWN BY: GILBERT
	APPROVED <i>D Weil</i>
	UNLESS OTHERWISE SPECIFIED
	DIMENSIONS ARE IN INCHES
.XXX ± .010	FRACTIONS ± 1/32
.XX ± .03	ANGLES ± 1°
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45°	
OR .04R	
2. DIMENSIONAL LIMITS APPLY AFTER	
PLATING	
SPEC	
HEAT TREAT FINISH SEE -85 WELDMENT	
USED ON MODEL	
BELL 204, 205, 212, 214	
SCALE 1:2	DATE 1/25/2013
	SHEET 49 OF 54

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REV	DESCRIPTION	DATE	INITIAL	APPROVED



(-89)

PLATE

NOTE:  
REF: BELL P/N 209-782-030.

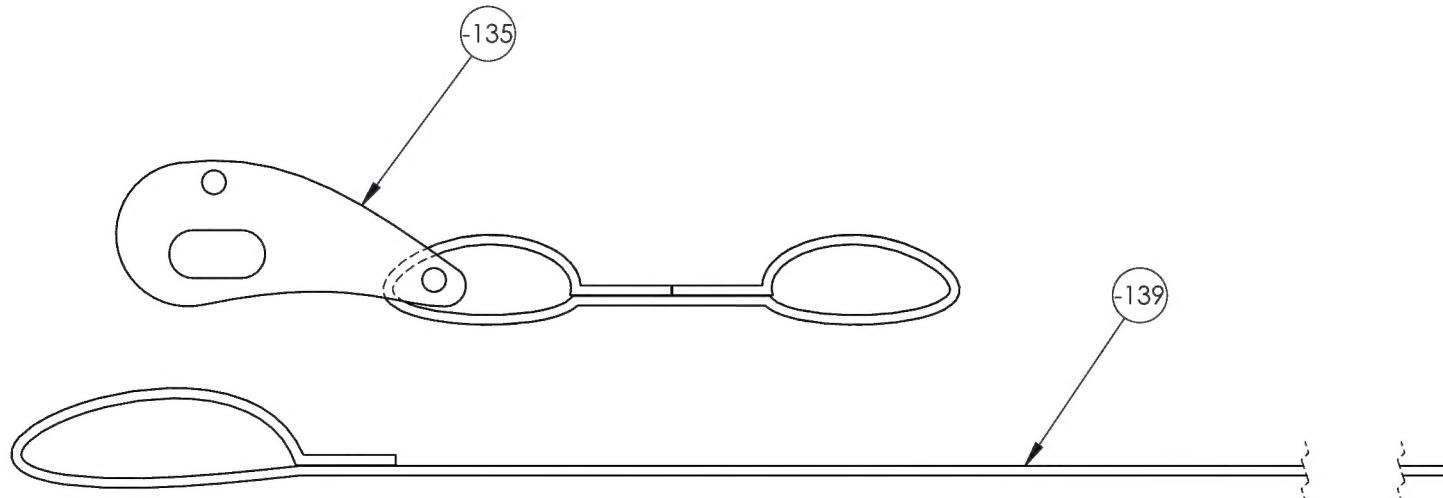
## RED BARN MACHINE

TITLE  
CRADLE SET-SUPPORT,  
MAIN ROTOR BLADE

DWG NO.	REV
RB T101623-89	2
MATL HR P & O	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED	APPROVED D Weil
DIMENSIONS ARE IN INCHES	
.XXX ± .010	FRACTIONS ± 1/32
.XX ± .03	ANGLES ± 1°
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45°	
OR .04R	HEAT TREAT
2. DIMENSIONAL LIMITS APPLY AFTER	FINISH SEE -85 WELDMENT
PLATING	SPEC
	USED ON MODEL
	BELL 204, 205, 212, 214
SCALE 1:2	DATE 1/25/2013
	SHEET 50 OF 54

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



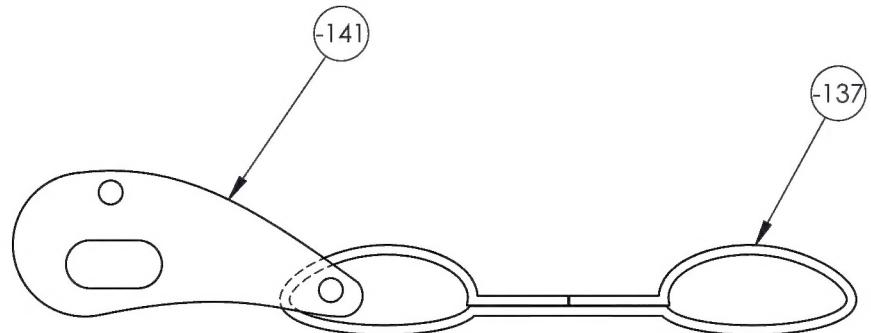
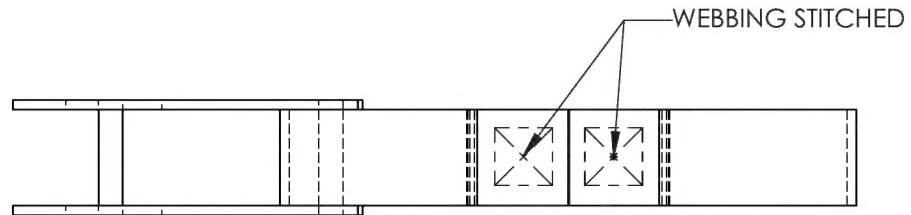
-133

STRAP ASSY

 RED BARN MACHINE	
TITLE CRADLE SET- SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-133
REV	2
MATL	DRAWN BY: MARPET
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005      FRACTIONS ± 1/32	
XX ± .01      ANGLES ± .5°	
X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
HEAT TREAT FINISH	SPEC
USED ON MODEL	
BELL 204, 205, 212, 214	
SCALE	1:2
DATE	4/25/2013
SHEET 51 OF 54	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



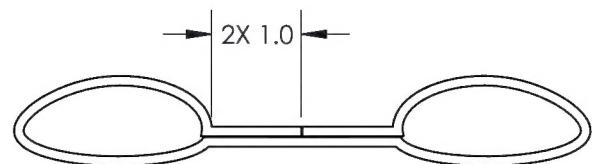
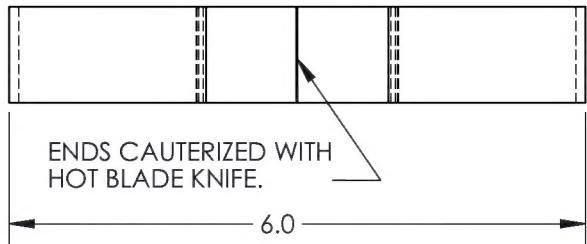
-135

BUCKLE ASSY

RED BARN MACHINE	
TITLE CRADLE SET- SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-135
REV	2
MATL	DRAWN BY: MARPET
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± .5°	
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
HEAT TREAT FINISH	SPEC
USED ON MODEL	
BELL 204, 205, 212, 214	
SCALE	1:2
DATE	4/25/2013
SHEET 52 OF 54	

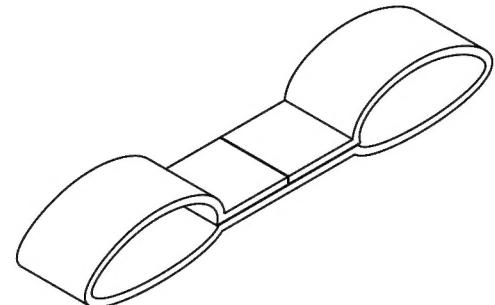
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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



SHORT STRAP

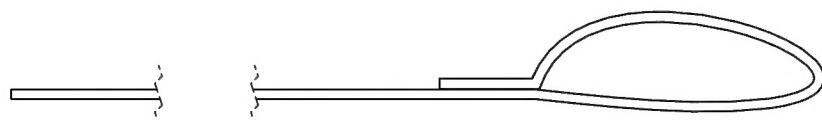
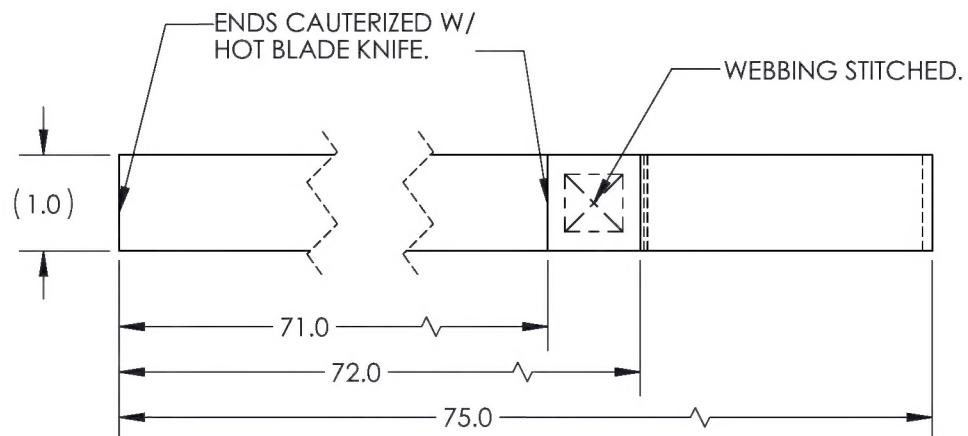
-137



	RED BARN MACHINE	
TITLE	CRADLE SET- SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-137	REV 2
MATL	NYLON WEBBING	DRAWN BY: MARPET
	UNLESS OTHERWISE SPECIFIED	APPROVED <i>D Weil</i>
	DIMENSIONS ARE IN INCHES	HEAT
.XXX ± .005	FRACTIONS ± 1/32	TREAT
.XX ± .01	ANGLES ± .5°	FINISH
.X ± .1		SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		BELL 204, 205, 212, 214
SCALE	1:2	DATE 4/25/2013
		SHEET 53 OF 54

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED



-139

LONG STRAP

	RED BARN MACHINE	
TITLE	CRADLE SET- SUPPORT, MAIN ROTOR BLADE	
DWG NO.	RB T101623-139	REV 2
MATL	NYLON WEBBING	DRAWN BY: MARPET
	UNLESS OTHERWISE SPECIFIED	APPROVED <i>D Weil</i>
	DIMENSIONS ARE IN INCHES	HEAT
.XXX ± .005	FRACTIONS ± 1/32	TREAT
.XX ± .01	ANGLES ± .5°	FINISH
.X ± .1		SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		BELL 204, 205, 212, 214
SCALE	1:2	DATE 4/25/2013
		SHEET 54 OF 54